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611-161.001-000 W2	150-600.001-206	13.1
611-161.050-000 W1	150-600.001-223	13.1
611-161.050-000 W2	150-600.001-208	13.1
611-161.050-000 W3	150-600.001-213	13.1
611-161.050-000 W4	150-600.001-220	13.1
627-000.100-000 W1	150-600.001-205	13.1
627-000.100-000 W2	150-600.001-247	13.1
627-000.200-000 W1	150-600.001-209	13.1
627-000.200-000 W2	150-600.001-210	13.1
627-000.200-000 W3	150-600.001-231	13.1
627-000.200-005 W1	150-600.001-267	13.1
627-000.600-100 W1	150-600.001-230	13.1
627-000.600-105 W1	150-600.001-266	13.1

M7 / M7 a la carte - Compensation

17.Jul.06

The following test devices and tools are needed:

Luminance standard	042-840.001-000 W191	(150-000.000-908)
Exposure analyser	042-840.001-000 W250	(150-000.000-912)
Camera mount	442-299.001-000 W100	(150-000.001-169)
Test lens	M 1:2/50	
Battery adapter	420-070.001-000 W2	(150-000.099-161)
PC-interface	410-055.010-000 W7	(150-000.099-081)
Flash speed metering device	042-843.001-000 W3	(150-000.001-285)
TTL-adapter	042-843.100-000 W7	(150-000.001-286)
TTL-testing device	410-055.010-000 W6	(150-000.099-083)
Reflector	042-843.100-000 W20	(150-000.001-297)
PC (Pentium or compatible)		
Compensation software		
Thermometer		

Compensation with cover plate.

First remove the battery symbol out of the battery housing.
Attach the battery adapter to the camera.
Start the test and compensation program on the PC.
Wind and switch on the camera. Click "Data on" on the PC.

If compensation need to be made on the camera, first the "UNLOCK" button must be clicked.
In the Info line the display should read: EEPROM unlock. (You may have to make a double click).

1. "Delay up" or "Delay down" will influence all electr. times / speeds.
At 1/500 and 1/250 only the displayed speeds are without influence to all others.
Mechanical speeds 1/60 and 1/125 are adjusted only by variation tension on shutter roller.

Compensation	Camera	Test device Deviation ATV	Comments
Shutter, electr. speeds	T=1/1000 T=1/500 T=1/250	-27 ... +37 -27 ... +37 -27 ... +37	Correcting with "Delay up" or "Delay down" 1/500 up bzw. 1/500 down 1/250 up bzw. 1/250 down
Shutter, mech. speeds	T=1/125 T=1/60	-19 ... +23 -19 ... +23	

Click "Store" after adjustment, in the Button line appears: "Store shutter adjust done".

2. Attach the camera onto the Exposure Analyser.

Compensation	Camera	Test device	For change	PC
Temperature	T=1/30; f 5,6; ISO= 100/0	Bv 5	read off temperature and reset with "Temperature-Adjust".	After selecting Temp. click "Set Temperature".
Exposure meter		Bv -2 Bv 0 Bv 3 Bv 10	click set Bv -2 click set Bv 0 click set Bv 3 click set Bv 10	Bv-AV correkting: Bv -2 ≙ -7 Bv 0 ≙ -5 Bv 3 ≙ -2 Bv 10 ≙ 5
View finder display		Bv 7	click "Set Viewfinder" click Store Bv	Bv Viewfinder ≙ 7 Store Bv

Click "Store" after adjustment, in the Button line appears: "Store Bv adjust done, Niveau set to zero".

In order to adjust the brightness of the viewfinder display, the camera with the mount must be removed from the luminance standard. Now you have to hold the camera directly onto the luminance standard (light box).

3. TTL-Compensation

Open the rear cover and attach the reflector. Attach the TTL-adapter. Switch test device to Brightness.

Camera	Test device	Tolerance	Compensation
T=1/30; f=2 T=	Flash speed metering device Brightness 3 (7) Camera Adapter=closed TTL-testing device S2=Metering S3=R8 S4=Bl.-Ad.		Release camera shutter several times. When release, the Trigger LED must light up.
Check this tests with 1/30 and			**For change**
	PC: "ISO-Poti-Simulation" ASA 100 Brightness 3 **Click set SV !**	Time Delay 0 ± 5%	withTTL-Flash-Adjust ISO 100 UP ISO 100 DOWN correcting.
	ASA 80 Brightness 3 **Click set SV !**	Time Delay +20 bis +40%	with ISO 80 UP ISO 80 DOWN adjusting.
	ASA 25 Brightness 4 **Click set SV !**	Time Delay 0 ± 10%	with ISO 25 UP ISO 25 DOWN adjusting.
	ASA 1600 Brightness 2 **Click set SV !**	Time Delay 0 ± 20%	with ISO 1600 UP ISO 1600 DOWN adjusting.

Click Store TTL .
Click "Store" after adjustment, in the Button line appears: "Srore TTL adjust done".

M7 / M7 a la carte - Abgleich

17.Jul.06

4. Attach the rear cover to the camera. Set ISO = 6 and Override +2.
For ISO-Poti Simulation select "R-SV" and click "set SV".

ISO	Override	PC / SV	Zur Änderung
6	+2	-1.00	click Adjust 6/+2
100	0	5.00	click Adjust 100/0
800	0	8.00	click Adjust 800/0
6400	-2	13.00	click Adjust 6400/-2
DX	-2	3.00	click Adjust DX/-2
DX	0	5.00	click Adjust DX/0
DX	+2	7.00	click Adjust DX/+2
			click Store ISO

Adjustments PC/camera Comments		Comments	Display in camera	PC
ISO/DX	Override	Check camera display		
DX	-2	SV-mover **1 notch** to the **left**	blinking warning display: "ASA"	SV=5.00
DX	+2	SV-mover **1 notch** to the **right**		

5. At last, "ISO-Poti-Simulation" select on the PC "R-SV" and click "Set SV".

DX-recognition		**PC**	
Set camera back to DX		DX-Value	SV
insert film	ISO 100	5.00	5.00
	ISO 400	7.00	7.00
	ISO 1000	8.33	8.33

6. Click "Lock" when finished with the compensation.
Click "Full Display" to check all segments of the viewfinder display.
("Set full Display" will appear in the info line)
Now all segments of the 7-Segment-display and the flash symbol are displayed in the viewfinder. " 8888ϟ ".

Attention:
Not all segments of the light balance are visible, because the camera will store the last measurement when "Full Display" is clicked on.
The regular display will appear again in the viewfinder after another click of "Full Display".
("Set regular Display" will appear in the info line).
At last, "ISO-Poti-Simulation" select on the PC "R-SV" and click "Set SV".

When compensation have been made, the Button line "EEPROM LOCKED" must be activated.

M7 / M7 a la carte - Abgleich

17.Jul.06

7. Current consumption

Testing devices: Power supply

State of camera	current consumption
Current consumption during holding time (at display "1000" a. max. displaybrightness)	< 30mA
Current consumption after end of holding time	< 10µA
Current consumption main switch off	< 5µA

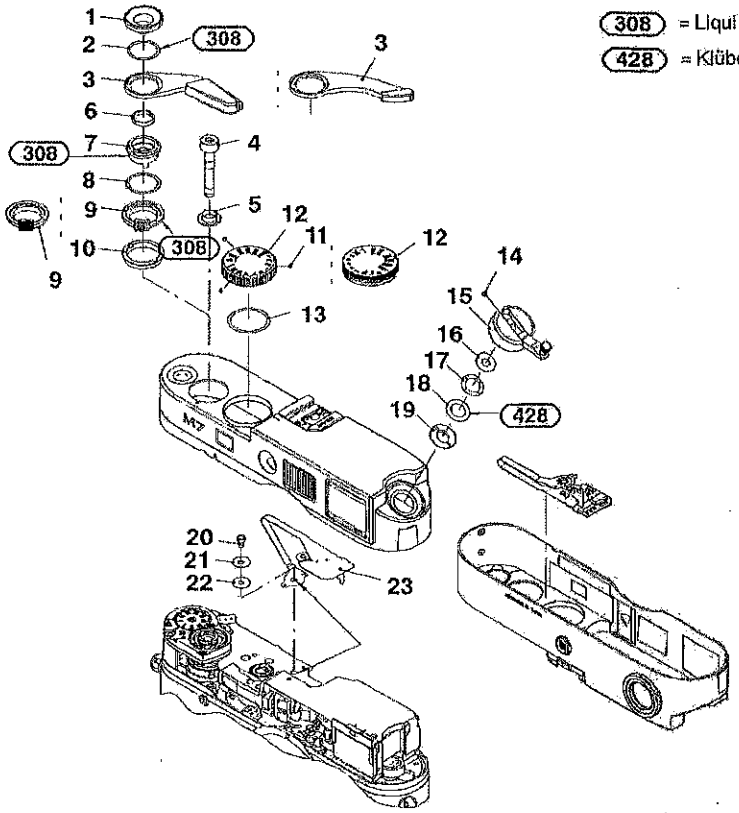
Battery control

Testing devices: Power supply

Battery voltage / power supply	Camera display
U_{bat} > 4,5V	full function, no warning display
U_{bat} v 3,9V	LED's must pulsate (100%/50%), after end of DX time.
U_{bat} < 3,5V	"bc" lights up, if allowed by U_{bat}. All other displays are off.
Camera is still within specifications.	

Assembly instructions - M7 / M7 a la carte 1. Cover plate, flex. board DK

28Jul.2006



Disassembly occurs according to the numbering on the opposite page.

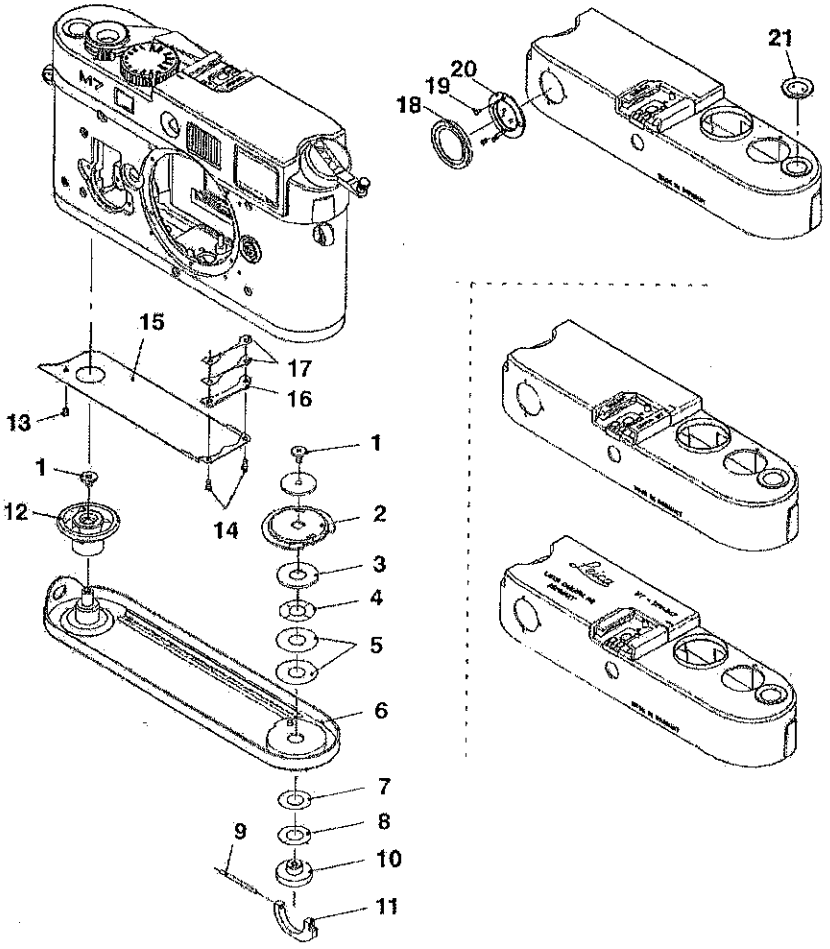
First remove batteries and the lens cover.
Attention: Do not touch any of the washers of the cover plate with your fingers!
Loosen the cover ring (1) with key 042-813.002-029 W1 and remove.
Remove the sinuous spring (2) and the winding lever (3).
Now set the camera to "ON".
Pull out the release button (4) with the sleeve (5).
Loosen and unscrew the threaded ring (6) with key 420-070.575-000 W2.
Attention: part 6 has **left hand thread.**
Remove fork (7), washer (8) and rotating ring (9).
Loosen and remove threaded ring (10) with key 420-070.001-000 W5.
Loosen 3 screws (11) and remove the speed-setting knob (12) and tuning washer (13).
Loosen screw (14) and unscrew the rewind knob (15).
Remove washers (16) to (18) and loosen and remove threaded ring (19) with key 042-730.002-030 W3.
Now lift the cover plate carefully and tilt the cover plate to the back and pay special attention on this procedure that the flexible board DK (23) will not be ripped off or damaged in any other way!
Unscrew screw (20) and remove the washers (21) and (22).
Remove accessory shoe only if required.

Assembly instructions:
(Only apply Loctite in threaded holes!).

Assembly occurs according in reverse order.
To put on the speed-setting knob (12), make sure about the right position:
Turn the arresting disc 420-070.593-000 into such a position, that the larger hole shows exactly the screw underneath. This would be the Auto-Position for the speed-setting knob.
Fit the speed-setting knob with the auto showing to the index.
To moving in the release button (4), make sure of the correct assembly position. Also th camera has to be set to ON position.

2. Base plate, flash connenctor M7 / M7 a la carte

01.Jul.2010



Disassemble occurs according to the numbering on the opposite page.

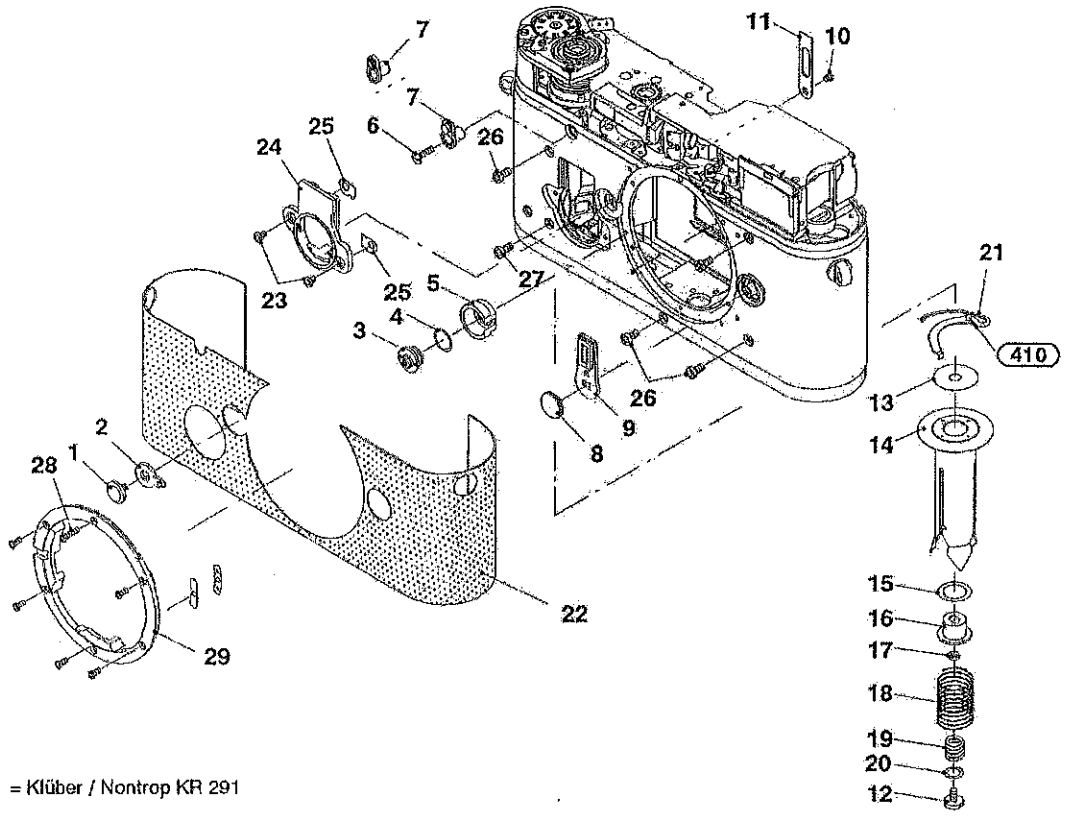
Only remove parts (1 to 12) if required.
Remove screws (13 and 14).
Remove cover (15), clamping ledge (16) and intermediate pieces (17).
Remove parts (18 to 21) only as required and in the specified sequence.

Assembly instructions:
(Only apply Loctite in threaded holes!).

Assembly occurs according in reverse order.

3. Housing M7 / M7 a la carte

01.Jul.2010



(410) = Klüber / Nontrop KR 291

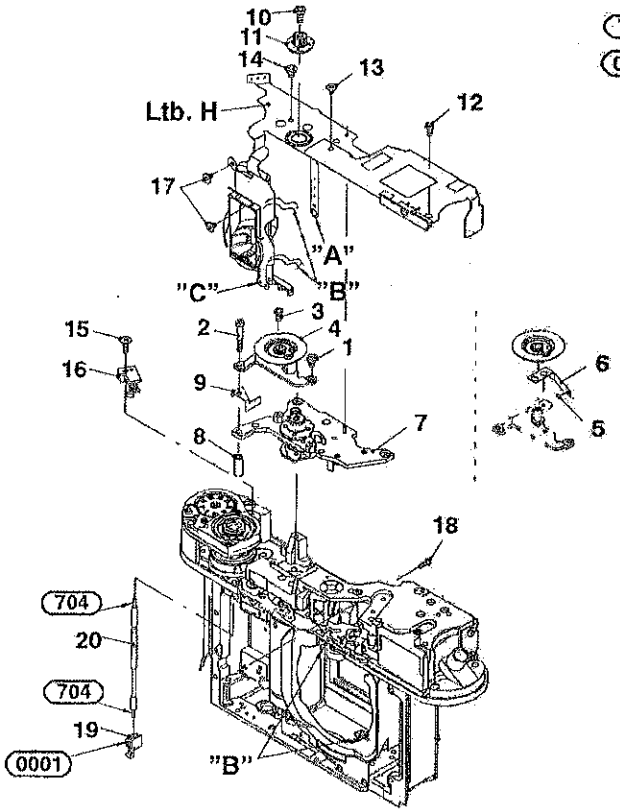
Disassemble occurs according to the numbering on the opposite page.
First remove the rear cover and the base plate.
Remove screw (1) with key 150-000.001-270 and take out the locking pawl (2).
Unscrew guide bushing (3) using the key 042-253.001-598 W2.
Remove washer (4) and protective sleeve (5).
Remove screw (6) and lever (7).
Remove screw (8) with key 042-730.101-020 W3 and take off the lever (9).
Loosen screw (10) and remove together with the cover plate (11).
Remove screw (12) and take out parts (13 to 20) according to sequence.
Now pull off the leather covering (22).
Remove screws (23) and the guide bushing (24) with the bayonet springs (25).
Remove 4 screws (26) and screws (27 and 28).
Now carefully lift the flap "A" of the flexible board H (see **page 4**) and pull the housing off of the shutter.
Only disassemble the bayonet ring (29) as needed.

Assembly instructions:
(Only apply Loctite in threaded holes!).

Assembly occurs according in reverse order.
When putting on the flexible board H, make sure that the flap "A" is inserted in the recess in the main body.
When inserting the shutter in the housing, make sure that the flap of the flexible board H does not get caught and that the bow (21) is attached in its proper position.
Insert the bayonet springs (25) with the arched side towards the battery compartment.

4. Battery compartment M7 / M7 a la carte

01.Jul.2010



Disassemble occurs according to the numbering on the opposite page.

Remove screws (1, 2 and 3).
When removing the speed setting plate (4) make sure not to lose the ball (5) on the leaf spring (6).
(If the bearing plate (7) is not to be disassembled, put the screw (2) back into the sleeve (8) now). In case of complete disassembly, remove the screw (2), the bracket (9) and the sleeve (8).
Remove the screw (10) from the arresting disk (11) - using the key 150-000.099-222 and a screwdriver - and then pull off the arresting disk (11).
Remove screws (12 to 15).
The switch (16) can still be used with a new flexible board.
Remove screws (17 and 18) from the battery compartment.
Detach the flexible board H from the X-contact at the soldering points "C". Unsolder the strands "B" and lift them off of the photodiode and the receiver.
When unsoldering the battery compartment make sure to remember the cable position!
Now unsolder the strands of the two magnets and, using tweezers, open the connector ZAZ and DX.
Then carefully lift the flexible board H up and off.

Assembly instructions:
(Only apply Loctite in threaded holes!).

Assembly occurs according in reverse order.
When inserting the battery compartment, make sure that the switch S1 is positioned securely on the switch block (19).
After assembling the battery compartment it is mandatory to check the mobility of the release spindle (20)!
Very carefully screw the screws (17+18) into the synthetic housing.
The screws (12+13) must not be mixed up as this would cause damage to the range finder!
When closing the connectors, make sure that the combination is correct!
When soldering on the magnet strands, make sure that they form a loop to the inside (towards the speed indicating cam) so as not to impede the mask.
Solder the red strands on in the correct position!
To connect the battery compartment, put the strands **"B"** in the ledge at the top and the bottom and solder on in the correct position.
Put on the arresting disk (11) with the pawl for auto-stop to the back, see **fig.1.**
Set the ON-OFF switch to OFF.
When closing, the contact spring (6) must move a little to the left in order to insure a secure contact, see **fig.2.**

4.1 Battery compartment M7 / M7 a la carte

Fig.1

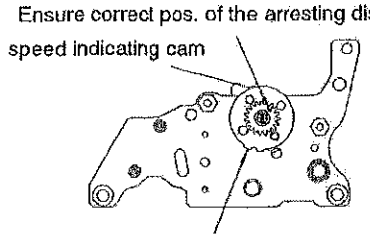
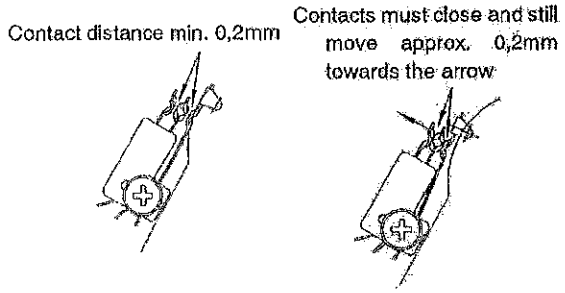


Fig.2



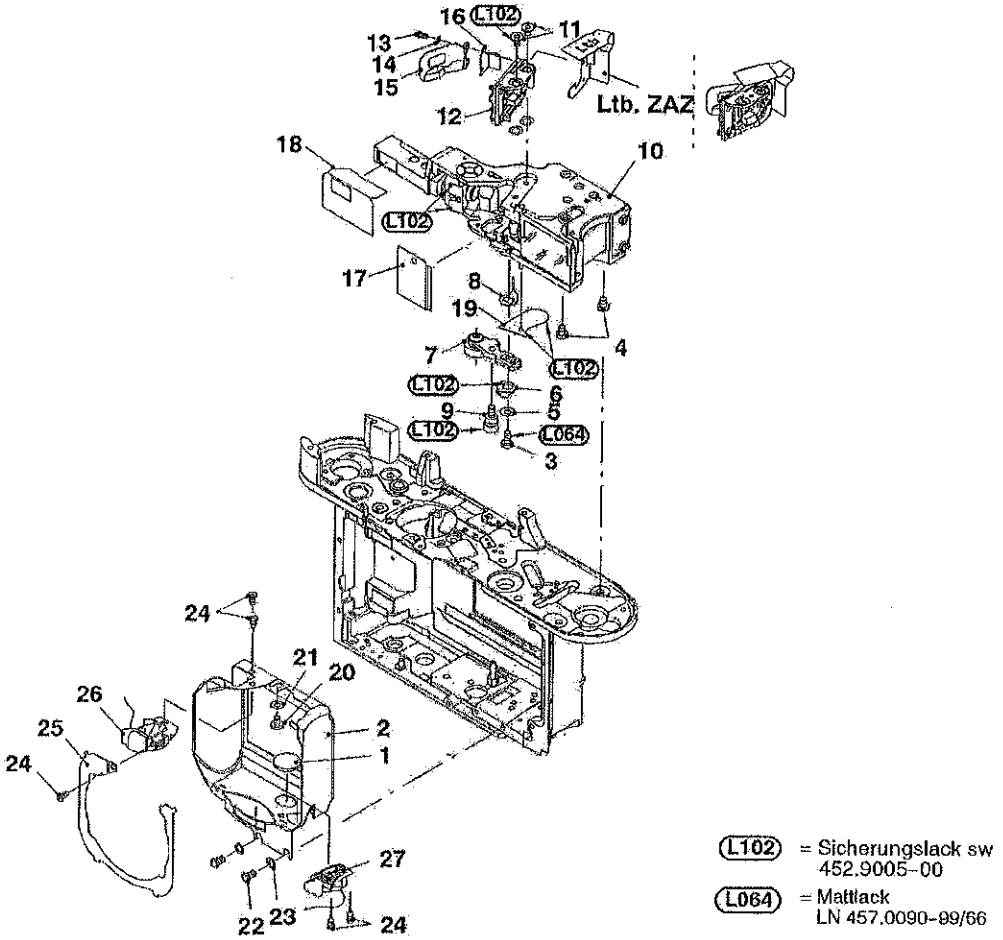
Assembly instructions:

After adjustment, secure the screw (15) with lacquer! Mount the bracket (9) and the speed-setting plate (4) and screw them on. To do so, take out the screw (2) and hold onto the sleeve (8).

Safety lacquers, lubricants and glues can be found in the Spare Parts List!

5. Range finder M7 / M7 a la carte

28.Jul.2006



Disassemble occurs according to the numbering on the opposite page.

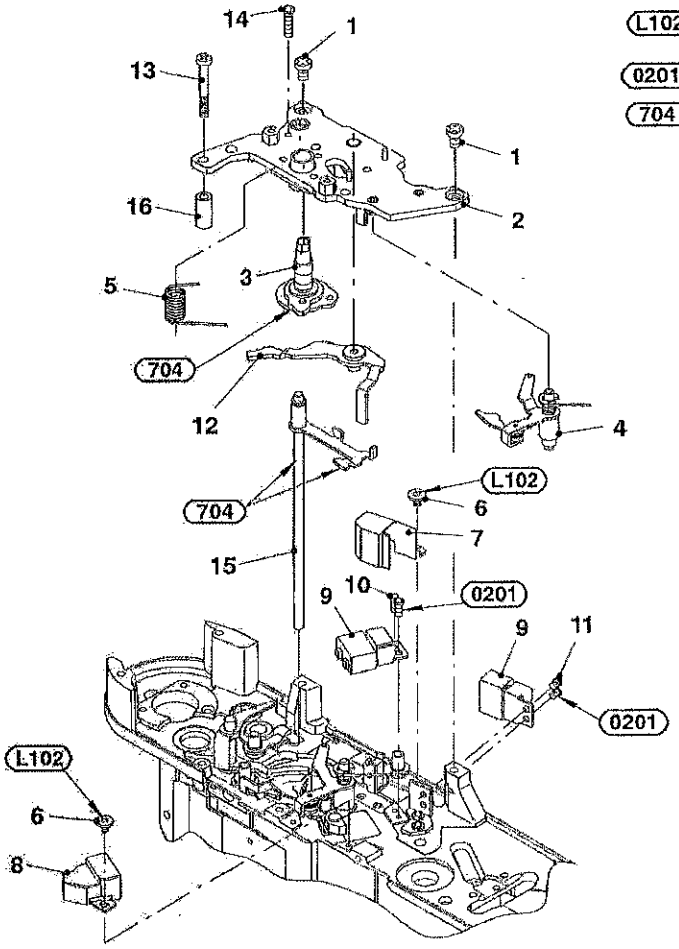
Push the cap (1) out of the cover plate (2).
Remove screws (3 and 4) and take off the parts (5 to 8).
Unscrew the eccentric (9) and remove the range finder (10) in one piece.
Remove screws (11) and take off the mask holder (12).
(To exchange the flexible board ZAZ, remove screw (13) and then parts 14,15 and 16).
Only exchange light stop (17 and 18) and cover (19) if necessary.
Remove screw (20) and washer (21).
Remove screws (22) and washers (23).
Then remove the cover plate (19).
Only remove sealing strips, adhesive strips, and foils as required.
The parts (24 to 27) should also only be removed as necessary.

Assembly instructions:
(Only apply Loctite in threaded holes!).

Assembly occurs according in reverse order.
Put on the cover plate (2) first, followed by the range finder. Make sure that the flexible board DX does not get caught.
After assembly the range finder must be adjusted!

6. Bearing plate M7 / M7 a la carte

01.Jul.2010



L102 = Sicherungslack sw 452.9005-00
0201 = Loctite 222
704 = Klüber / NBU 15 M-Ultra

Disassemble occurs according to the numbering on the opposite page.

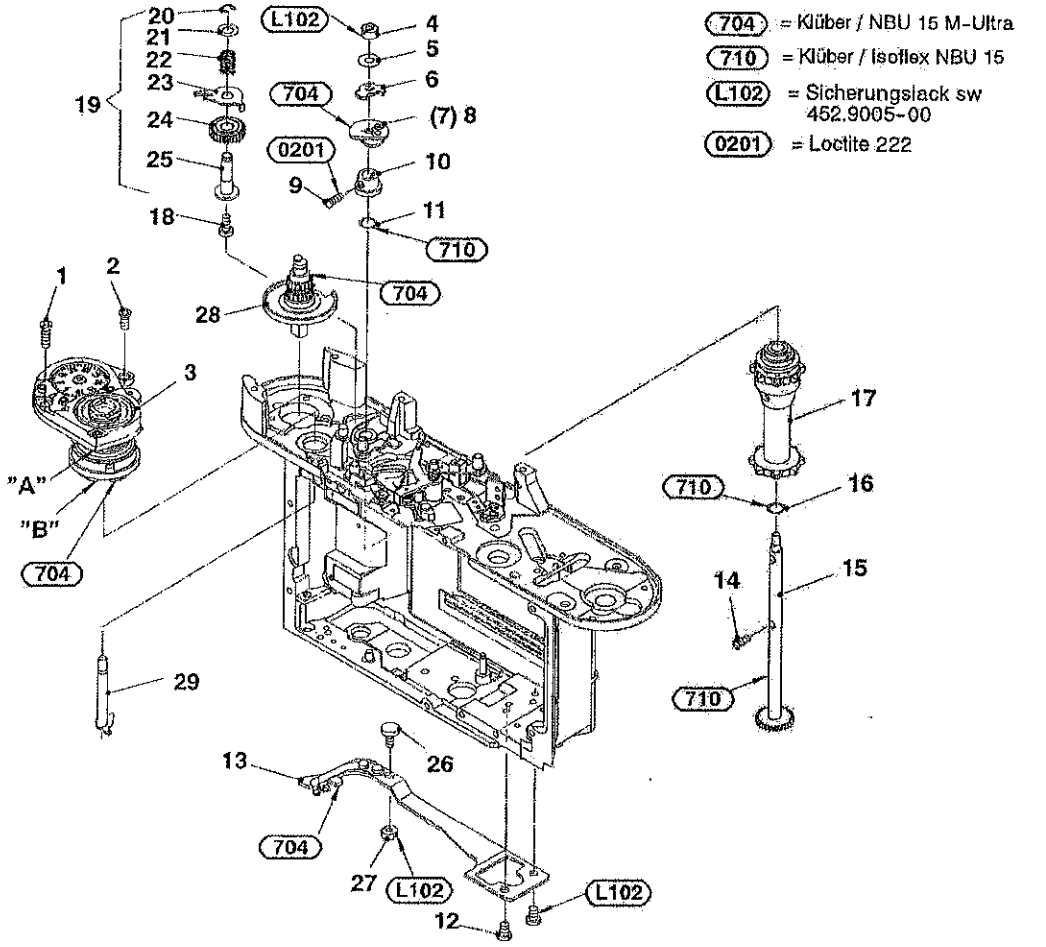
After releasing the shutter of the camera, remove the screws (1) and take out the bearing plate (2) with the speed setting cam (3).
Only disassemble control lever (4) if necessary.
Remove the pressure spring (5).
Remove screws (6) from the magnetic shield (7 and 8) only if necessary.
Only remove the magnets (9) with the screws (10 and 11) as necessary.
Only disassemble the levers to change the big shutter roller.

Assembly instructions:
(Only apply Loctite in threaded holes!).

Assembly occurs according in reverse order.
Push the leg of the tension lever (12) to the inside and put the screw (13) for fixating the tension lever into the screw hole (14).
Put the pressure spring (5) onto the catch lever (15). Do not hook up the lower leg of the spring yet.
Using the key 420-070.500-000 W14, push the spring down and fixate it.
Now wind the spring up one rotation.
Then put on the bearing plate (2) and fasten with the screws (1).
Remove screw (14) and key again.
Now hook up the lower leg of the pressure spring.
When inserting the sleeve (16), make sure that the 3 spring legs are positioned correctly!
Fixate the sleeve (16) with the screw (13).

7. Winding mechanism, transport M7 / M7 a la carte

13.Apr.2010



Disassemble occurs according to the numbering on the opposite page.

After winding the camera shutter, remove the screws (1 and 2) carefully as they might be secured with Loctite.
Remove winding mechanism (3) in one piece.
Only disassemble the winding mechanism if necessary.

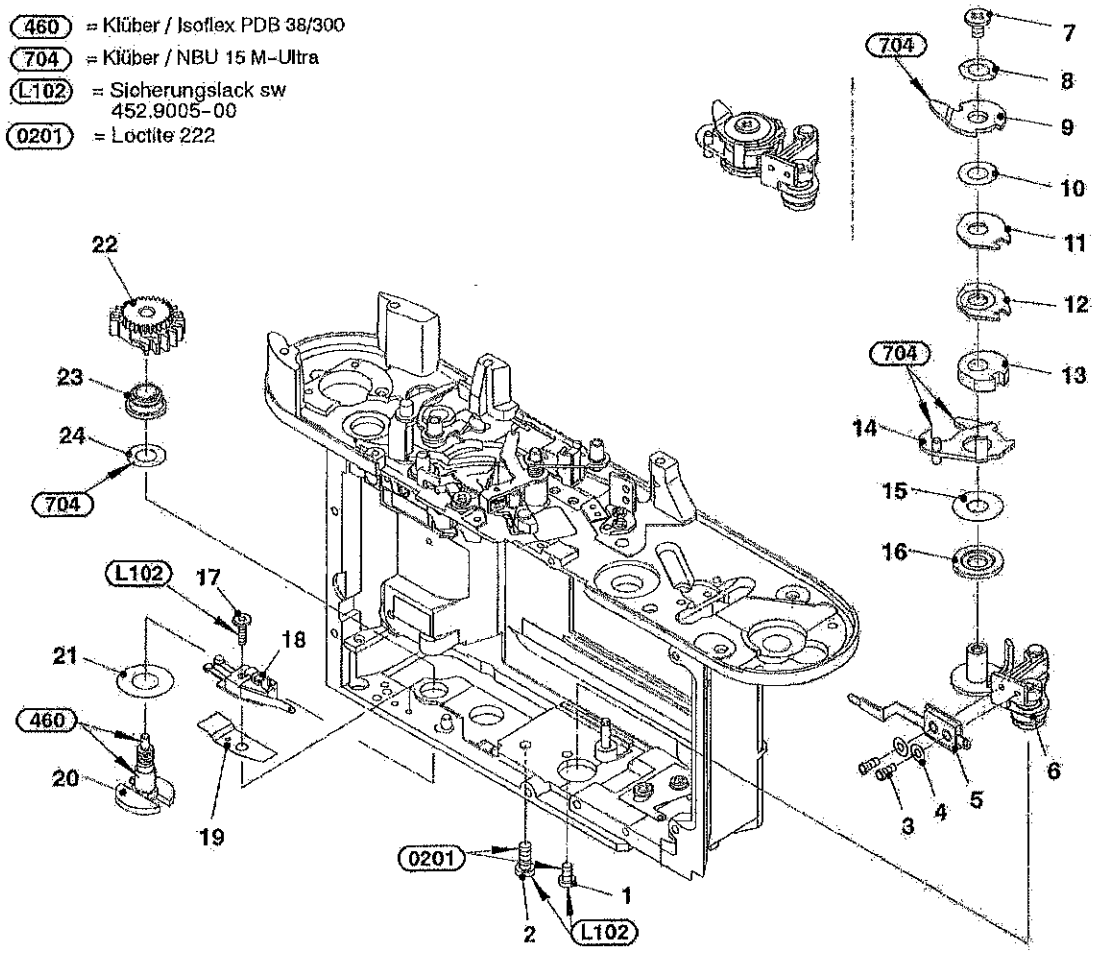
Only disassemble the parts (4 to 27) for the transport if necessary and in the given order. Take note that the nut (4) has a left-hand thread.

Assembly instructions:
(Only apply Loctite in threaded holes!).

Assembly occurs according in reverse order.
The edges "A+B" must be aligned with each other, the indentation of the winding axis (28) must be positioned over the pawl of the shutter release pin (29).
Mount the winder mechanism (3) and fix in place with the screws (1+2).
A winder check is mandatory after reassembling the winder head!
When assembling the transport, make sure that the stop disks (6 and 7) are screwed on in the correct position!
Also make sure that the sprocket wheel (17) is positioned correctly!
If the leaf spring (13) position was changed, the memory point and the release point (electrical and mechanical) must be checked and possibly readjusted!

8. Brake M7 / M7 a la carte

01.Jul.2010



Disassemble occurs according to the numbering on the opposite page.

After winding the camera shutter, remove the screws (1 and 2).
Remove screws (3), washers (4), and contact spring (5).
Remove the mount (6).
Only disassemble parts (7 to 16) if necessary and in the given order.
If necessary, remove the screw (17) and take off the contact (18) with insulation (19).
Unscrew the drive axis (20) using the key 042-253.001-296 W4 and remove the washer (21).
Take note that the drive axis (20) has a **left-hand thread**!
Lift off gear (22), bushing (23) and washers (24).

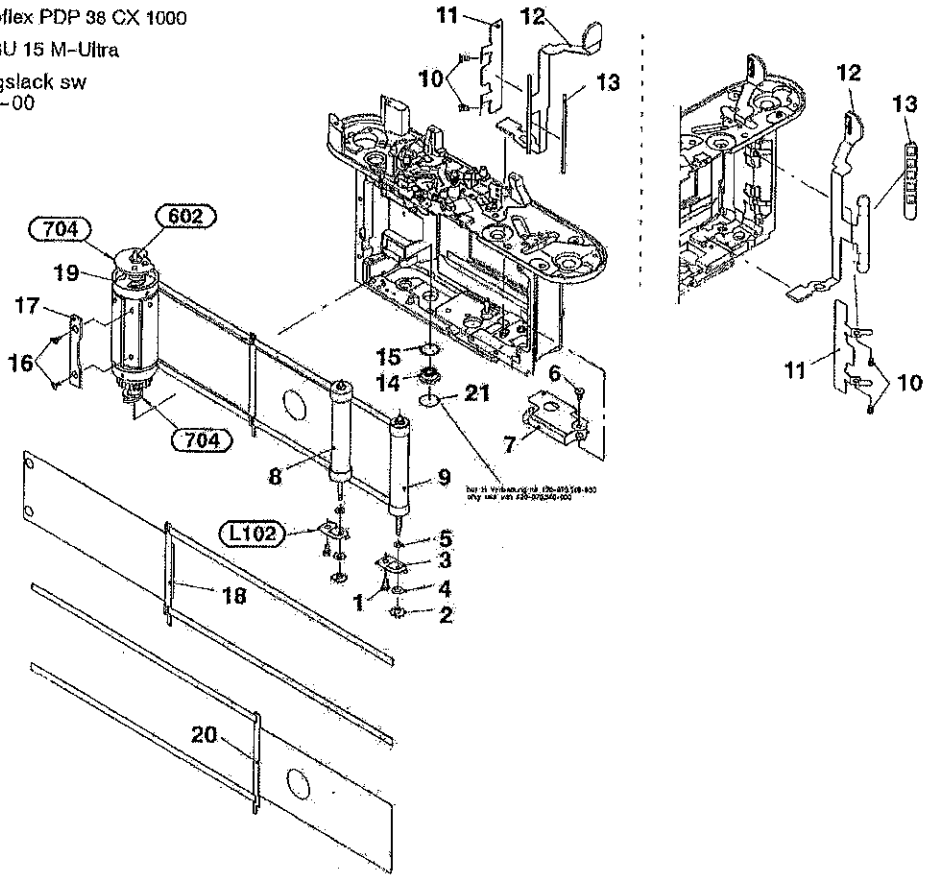
Assembly instructions:
(Only apply Loctite in threaded holes!).

Assembly occurs according in reverse order.
Before putting in the mount (6) check the brake mobility manually.
When assembling the gears (22) make sure that they are positioned correctly!
A winder check is mandatory after assembly!

9. Roller shutter, flexible board DX M7 / M7 a la carte

01.Jul.2010

(602) = Klüber / Isoflex PDP 38 CX 1000
(704) = Klüber / NBU 15 M-Ultra
(L102) = Sicherungslack sw 452.9005-00



Disassemble occurs according to the numbering on the opposite page.

Release both shutters.
Remove the screws (1) and screw off the pawl gears (2).
Remove the bearing springs (3) and the washers (4 + 5).
Remove the screw (6) and fold out the flexible board MS (7).
Take out the shutter rollers (8 and 9).
Open the connector with a pair of tweezers.
Remove the screws (10) and pressure plate (11).
Take flexible board DX (12) and sensor holder (13) off with a downward motion.
Only disassemble the journal bearing (14) with the key 150-000.099-218 and the washer (15) if necessary.

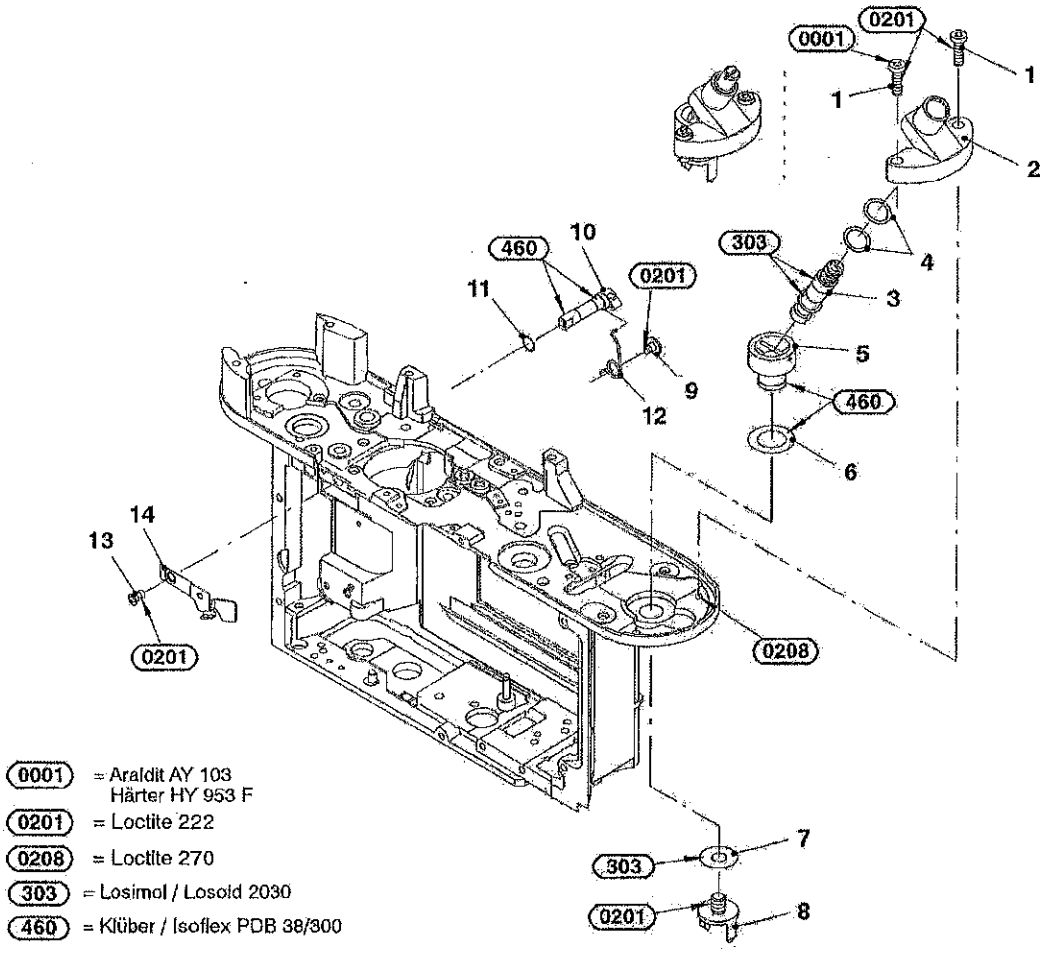
For complete shutter disassembly:
Remove screws (16) and the clamping ledge (17).
Take the long shutter curtain (18) off of the big shutter roller (19).
Take the shutter curtains (18 and 20) off of the shutter rollers (8,9,19) and remove the leftover glue from the shutter rollers using Terokal thinner.
Only change adhesive foil (21) together with 420-070.540-000.

Assembly instructions:
(Only apply Loctite in threaded holes!).

Assembly occurs according in reverse order.
Shorten the strips of the new shutter curtains according to the lengths of the old strips.
Attach the shutter curtain (18) to the shutter roller (19) with the clamping ledge (17) and the screws (16).
Attach the shutter roller (8) in the main body, without the shutter curtain. Glue the strips of the shutter curtain (18) to the shutter roller (9) with Terokal 914.
Align the roller parallel to the picture window.
Check the shutter movement in the picture window using the gauge 420-070.500-000 A16.
Remove the shutter roller (8), glue the shutter curtain (20) onto the shutter roller (8) and make sure that it remains parallel.
Screw the shutter roller (8) with the shutter curtain (20) into the main body. Glue the strips of the shutter curtain (20) onto the shutter roller (19).
Align shutter curtain (20) parallel to shutter curtain (18).
Make sure that the labyrinth overlaps correctly.
Let the glue dry properly.
Wind the shutter curtains and set the exposure time.
The run-off speed of the shutters is to be tested with the Shutter Analyzer 150-000.099-046.

10. Rewinding M7 / M7 a la carte

28.Jul.2006



Disassemble occurs according to the numbering on the opposite page.

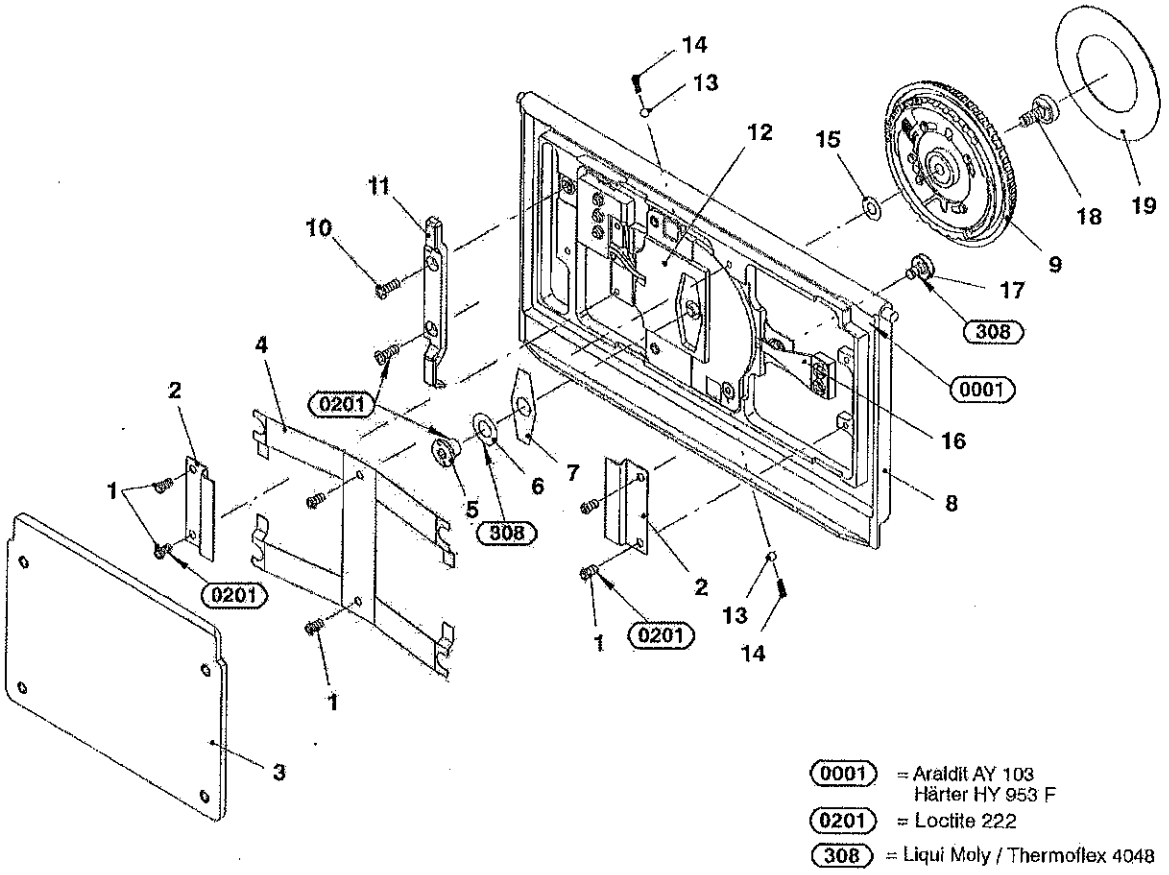
Remove screws (1) and take off the bearing support (2), axis (3) and the washer (4).
Unscrew the coupling piece (5) with the key 042-782.001-383 W5.
Remove the washers (6 and 7) and the fork (8).
Remove the screw (9).
Pull out the axis (10), washer (11) and the torsion spring (12).
Only remove the sealing strips and adhesive foil if necessary.
Only remove the screw (13) and the cable carrier (14) in order to take out the big shutter roller.

Assembly instructions:
(Only apply Loctite in threaded holes!).

Assembly occurs according in reverse order.
When inserting the torsion spring (12), make sure that the long leg is put in the hole of the axis (10).
Then put the short leg into the hole of the main body.

11. Rear cover M7 / M7 a la carte

28.Jul.2006



Disassemble occurs according to the numbering on the opposite page.

Remove 4 screws (1) and take off the holding sheets (2).
Lift off the pressure plate (3).
Remove 2 screws (1) and the spring (4).
Loosen nut (5) with the key 420-070.400-000 W2.
Using tweezers, lift off the nut (5), washer (6) and leaf spring (7) together.
Lift the rear cover (8) off of the rotating knob (9). Only remove screws (10) and pressure ledge (11) for RSV-carrier (12) disassembly.
The RSV-carrier (12) is only to be disassembled in case of a cable defect.

Assembly instructions:
(Only apply Loctite in threaded holes!).

Assembly occurs according in reverse order.
When assembling the rotating knob (9) be careful not to lose the balls (13).
First insert the pressure springs (14) into the holes and then the balls (13) from the inside.
Put in the washer (15).
The DX-scale of the rotating knob (9) must point towards the bar (16) and pressure button (17)!
When inserting the screw (18) pay attention to the 2-sided position.
Screw on the washer (6), leaf spring (7) with the nut (5) from the inside.
Only lever out and exchange the ISO-washers (19) as necessary.

M7 / MP - Malfunction: Light stops

01.Jul.10

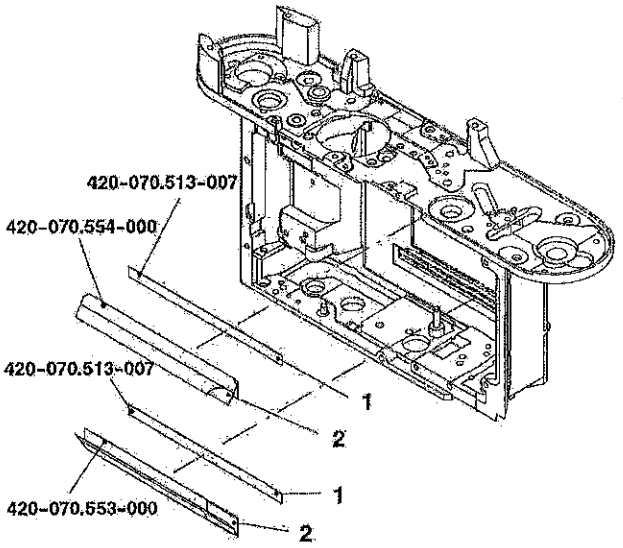
From the production version 0412 2103 (M7) and 0412 0800 (MP) new light stops will be installed in the main body and cover plate.
Also if an old light stop is defect, all the light stops have to be exchanged for new ones. For the mounting of new light stops in the main body and for insertion of the cover plate you will need the following assembly devices:

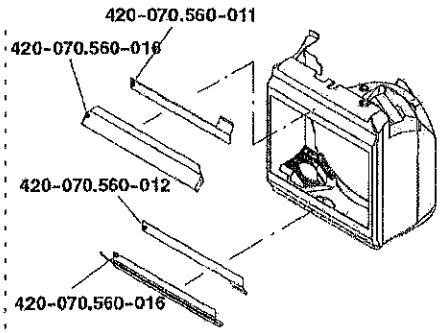
Assembly device-main body	150-100.000-026	(420-070.513-000 W1)
Assembly device-cover plate	150-100.000-036	(420-070.560-000 W4)

Without this devices it isn't possible for example to change the shutter roller or to mount the cover plate. The new light stops are backward compatible up to M6 with a glued on sealing leaf in the main body.
It isn't possible to combine an old light stop with a new one!

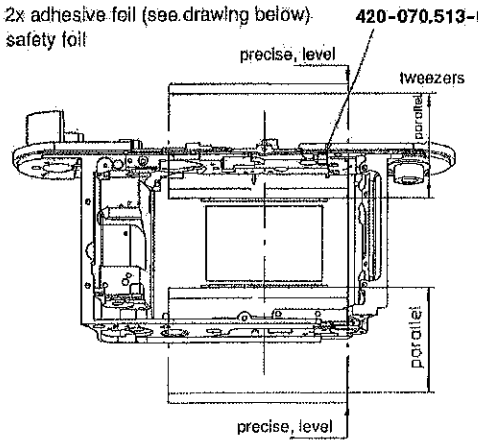
Main body-light stop upper:	420-070.554-000
Main body-light stop lower:	420-070.553-000
Cover plate-light stop:	420-070.560-016

The following has to be observed, while installing the new adhesive foil and light stops:
The light stops should not have any damaging (crease, rips or scratches)!
First remove both spring shutter roller from main body.
Very important: remove all glue remains from the old light stops from cover plate and main body with alcohol.
To glue on the new adhesive foils (1) and light stops (2), see the instructions on drawing.
Flatten the light stops carefully with leather wiper.
Make sure that the standing up side of the light stop does not accidentally stick to the foil.
The new light stops must be, affixed to the above mentioned assembly devices, installed into main body.

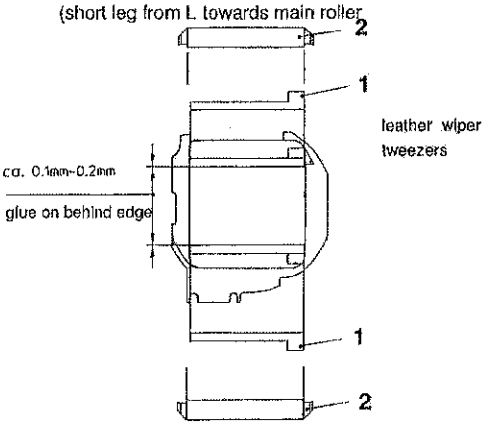




1. glue on 2x adhesive foil (see drawing below)
2. remove safety foil



1. glue on adhesive foil (see drawing below)
(short leg from L towards main roller



Problembeschreibung	Fehler	Lösung
50er Rahmen abgeschattet	Ltb. ZAZ falsch positioniert	lösen-> nach unten drücken-> festschrauben
Auslösung hakt	Gabel der Auslösestange schleift an der Bohrung unter dem Spulenteller am Hauptkörper	Bohrung nicht nach Maß. Lösung?
Segmente fehlen zeitweise, (z.B. bei 12 und 24)	Kurzschluß an IC, Widerstand oder Connector	nachlöten
Werte von der Rückwand wechseln	Durchkontaktierung gebrochen	neues Ltb. H
Zeitweises Aussetzen (für 2 Sek.) bei Serienauslösung, im Auto-Modus auf dem Winder	S3 prellt	neuen Schalter einbauen (platiniert)
Deckkappenverchromung schlecht		neue Deckkappe
Zwei Werte in einer Rastung der Rückwand	Rückwand dejustiert	neu justieren
DX-Erkennungspringt ohne Filmwechsel auf DIN/ISO 100	schlechte Kontaktgabe zur Rückwand	Folie unter das Ltb. kleben

Problem description	Error	Rectification
50er frame shadowy	Ltb. ZAZ wrong positioned	loosen-> press down-> tighten
Release sticking	Fork of the release pin scrapes on the hole underneth the spule plate on the main body	Hole not correct ø. rectification?
Segments are sometimes missing (by12 and 24)	Short circuit on IC, resistor or connector	Resolder
Values of rear cover changing	Some contacts broken	new Ltb. H
Sometimes failure (for 2 sec.) at multiple release in the Auto-Mode on the Winder	S3 bouncing	Install new switch (platin coated)
Top cover surface bad		new top cover
Two values visible on one setting on rear cover	Rear cover out of adjustment	Readjust
DX-sensing jumps without filmchange to DIN/ISO 100	Bad contact to rear cover	Stick foil under Ltb.

CUSTOMER CARE

M7 - Checkliste / M7 check list

14. Mai 2012

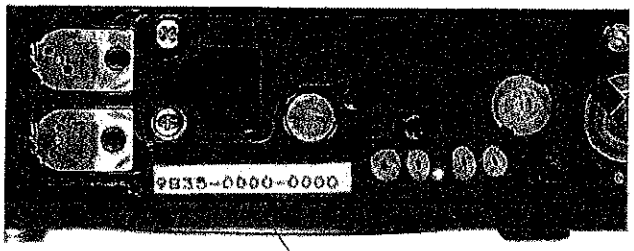
Prüfung	Einstellungen	Sollwert
ON/OFF Schalter	Von Hand Sucheranzeige	2 Sekunden. muss DIN/ASA aufleuchten.
Zustand der Kamera prüfen.	Sichtkontrolle	Stoss-und Fallbeschädigung Schmutz / Zustand
Gang und Rastung des DIN-ASA Einstellringes an der Rückwand prüfen.	Von Hand	Einwandfreie Rastung gleichmässiger Gang.
Zeitenrad - Rastung prüfen.	Von Hand	Einwandfreie Rastung gleichmässiger Gang.
Aufzug und Auslösung.	Von Hand	Weicher Aufzug, leichte Auslösung.
Friktion prüfen.	Von Hand	Spulenfriktion nach Lehre (150-200gr)
Friktion mit eingelegtem Film prüfen.	Von Hand	Transport leichtgängig, Funktion der Auslösung prüfen.
Hub Auslöseknopf prüfen.	Mit Messuhr und Ständer.	
Rückwand und Bodendeckel prüfen.	Von Hand	Verriegelungen müssen leichtgängig sein.
Autokollimation und Ringhöhe prüfen.	Auflageplatte, Autokollimator	Ringhöhe sowie Mittigkeit prüfen.
E-Messer	Sichtkontrolle durch Sucher, E-Messerständer	Höhen- und Seitenjustage 1m/10m, Rahmeneinspiegelung / Maskengängigkeit.
Bel.-Messer	Lightbox	Bel.-Messer nach Toleranzblatt.
Bel.-Zeiten	Elektrisches Dreikanalgerät	Bel.-Zeiten nach Toleranzblatt.
Zählwerk	Von Hand	Zählt / springt zurück.

Check	Adjustment	Correct function
ON/OFF Switch	By hand viewfinder display	DIN/ASA must light up for 2 seconds.
Check condition of camera	Visual check	Impact damage, dirt, general look and feel.
Check movement and click stop on DIN-ASA, ring off tear cover	By hand	Einwandfreie Rastung gleichmässiger Gang.
Check speed dial click stops	By hand	Positive click stop smooth movement.
Winding and release	By hand	Smooth winding and soft release.
Check friction	By hand	Spul friction smooth movement with gauge (150-200gr)
Check friction with film inserted	By hand	Spool friction smooth movement and release.
Check movement of release button	With dial gauge and stand	
Check rear cover and base plate .	By hand	Locking must be smooth and easy.
Check collimation and hight of bayonet ring	Support plate and collimator	Check correct hight and parallelity of bayonet ring
Rangefinder	Visual check and on adjustment stand	Hight, 1m/10m adjustment, mask movement, frames.
Exposure meter	Lightbox	Exposure adjustment according to chart (tol)
Shutter speeds	3 channel shutter tester	Speed adjustment according to chart (tol)
counting mechanism	By hand	Counting and returning

M7 Production Version

13.Jun.05

LEICA M7 cameras have been labelled with the production date and version.
The information is noticeable, when the base plate and the cover shield are removed.



Version

The adhesive strip for the version consists of the following data:

Production dates		Versions		
year / week		Mechanics / Electronics		Production / Quality check
02 20	-	02 01	-	00 00

The production date states the time when the camera was manufactured in Solms, so the actual date of delivery may considerably from it.
Usually several changes were carried out within the individual production version, these can be assigned to the production weeks however.

Year	Week	Mechanics	Elektronics	Production	Quality control	Comments
01	50	00	00	00	00	Production-Start
02	20	02	01	00	00	
			Camera-no. 5400: Main body with new hole			Avoidance of threaded-breaking on main body
02	38	04	01	00	00	
			Camera-no. 10700: X-contact 420-070.574-000			Better cover up (release- a. memory contact)
02	39	05	01	00	00	
			Camera-no. 10670: Re-change X-contact to 420-070.578-000, Contact spring 442-215.001-035, roller with sleeve PTFE			Avoidance bouncing X-contact (switch off camera), Avoidance vibration after relase

Year	Week	Mechanics	Elektronics	Production	Quality control	Comments
02	44	07	01	00	00	
			Camera-no. 12416: Change over toothing from Pilz in DIN			Gear 042-253.001-356, 042-582.001-211 left out. 420-070.595-005+4 20-070.596-006 added.
02	46	08	01	00	00	
			Camera-no. 13546 Changed X-contact ,578-000 into platinized surface			Check of the bouncing
03	02	10	01	00	00	
			Camera-no. 14306: additional heel at axis 042-253.001-025 and free milling at the main body			Avoidance the break off of the axis
03	07	13	01	00	00	
		Camera-no. 15721: optimize of viefinder by introduce of additional lens 420-070.315-025 a. change illumination mirror				Improvement of contrast
03	14	14	02	00	00	
			Camera-no. 16060: Software-changing from 04 to 05			TTL-flash function with OV-shifting
03	45	18	03	00	00	
			Camera-no. 18698: Introduce of changed Ltb H 420-070.200-000			Improvement of DX-identification, resistors on Ltb H changed
03	46	19	03	00	00	
		Camera-no. 18787: brake, spring, washer, screw changed				Improvement of brake quality and adjustment
04	01	20	03	00	00	
		Camera-no. 19300: Change from winding axis, axis a. intermediate gear				
04	12	21	03	00	00	
		Introduction of new light stop and leaf spring; pin of brake- changed material				Improvement-bouncing behavio

CUSTOMER CARE

M7 - Modifications DX-flexible board

01.Jul.10

Valid for Ltb. H - version 03+05,
not for Ltb. H - version 02.
On LEICA M7 cameras it may come to a wrong display and pick up of the film speed if the film is insered.
The cause for this error is a fault in the flexible board DX. On cameras with this problem, a new improved flexible board DX will be installed which consists of the following parts.

(1)	420-070.552-000	Flexible board DX compl.
(2)	420-070.552-005	Sensor holder DX
(3)	420-070.552-010	Andruckplatte
(4)	420-070.552-015	Pressure plate
(5)	708-705.233-000	2x screws M1,7x3 LN 12010
(6)	418-867.311-005	strand, black

In addition to above parts, the following electronic test equipment is absolutely essential to carry out the modification:

- 150-000.099-162 Programming unit / Flasher (420-070.003-000 W1)
- 150-000.099-163 Programming flexible board DX (420-070.003-000 W2)
- New software (CON-FL.) M70080.HEX

If this needed check- and programming equipment is not at hand, the above repair has to be carried out in the Customer Service in Solms.

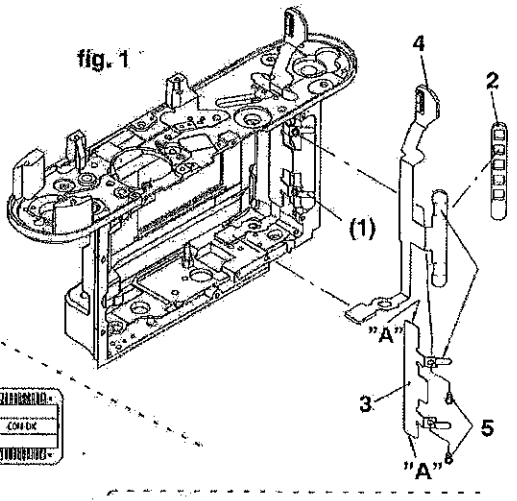
Modification: (see fig.1)

Remove rangefinder (see assembly instructions).
Remove shutter roller (first curtain).
Remove old flexible board DX by loosening screws.
Fit sensor holder and new flexible board DX:
Stick black insulation tape (appr. 3x5mm) on the contact point between pressure plate (3) and flexible board DX (4).
Bend the corners "A" of the pressure plate (3) slightly outwards bevore fitting to flexible board DX (4).
Secure parts (2-4) onto main body with screws (5) (see fig.1).

Soldering: (see fig.2+3)

Solder one strand end (6) onto flexible board DX (point PH106), solder the other end of the strand (6) onto flexible board H (point PH106).
Now open the solder bridge LB1.
Remove 2 resistors R58 and R62.
By removing of R62 pay attention to leave a clean solder point to prevent a short circuit, which could cause display errors.
To check, fit programming flexible board onto camera and Flasher.
Set programmiing unit to "M70080.HEX".

fig. 1



Ltb H

fig. 2

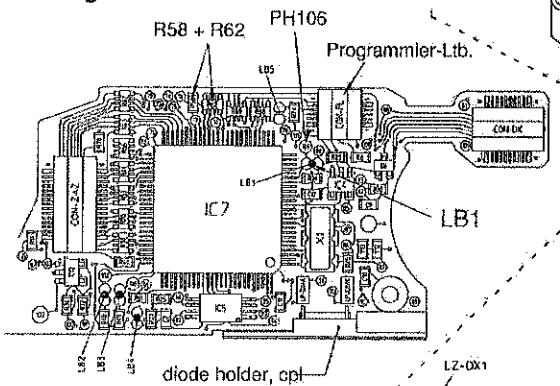
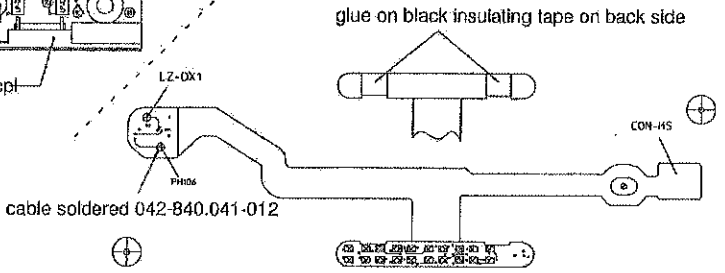


fig. 3



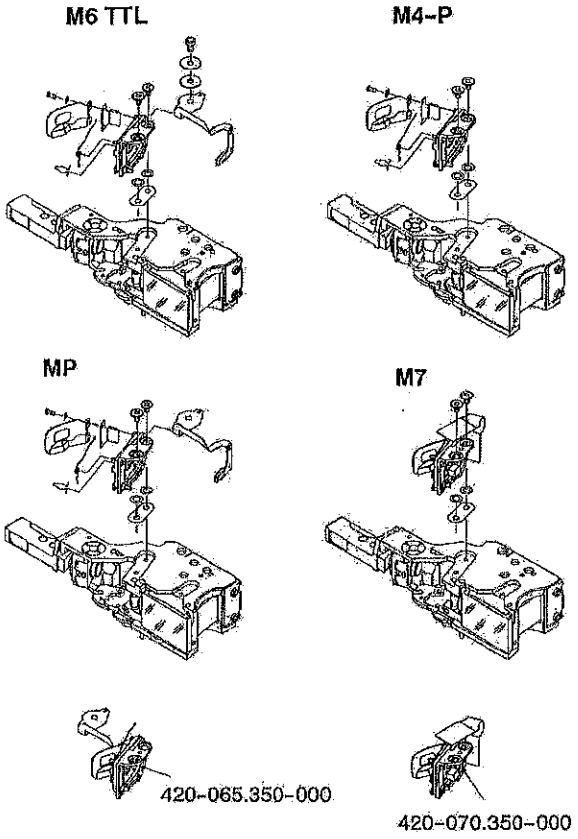
CUSTOMER CARE

M - Umbauanleitung

07.Sep.06

Verbesserte Maskenträger / optimized mask carrier

Um das Sucherbild des E-Messers zu verbessern, wie z.Z. in der LEICA MP, müssen folgende Teile ausgetauscht werden. / To optimize the frames of the range finder, like in the LEICA MP, the following parts have to be changed.



Betrifft Kameras: **M4-P, M6, M6 TTL, MP**

1. Maskenträger ausbauen und demontieren.
2. Alten Maskenschieber gegen neuen Maskenschieber (420-070.351-000) austauschen.
3. Maskenträger reinigen und wieder montieren.
4. Spiegel (420-070.315-044) montieren und Linse (420-070.001-019) mit Schraube (438-261.233-037) befestigen.
5. Maskenträger in Kamera einbauen.

Kamera **M7**:

Bei der M7 wird der komplette verbesserte Maskenträger (420-070.350-000) ausgetauscht bzw. eingebaut.

Attn. cameras: **M4-P, M6, M6 TTL, MP**

1. Remove mask carrier from rangefinder and disassembly mask.
2. Change old mask slider to new one (420-070.351-000).
3. Clean mask carrier and reassemble.
4. Mount mirror (420-070.315-044) and lens (420-070.001-019) with screw (438-261.233-037).
5. Mount the mask carrier into the rangefinder.

Camera **M7**:

For M7 exchange or mount the complete optimized mask carrier (420-070.350-000).

CUSTOMER CARE

M - Umbauanleitung / Modification

22.Jan.07

Augenlinse / eye lens

Um das Sucherbild des E-Messers zu verbessern, wie z.Z. in der LEICA MP, müssen folgende Teile ausgetauscht werden.
Zum Abdichten der Augenlinse von M7 und MP-Kameras wurde bisher mit einer Spritze etwas schwarzer Lack von außen zwischen Augenlinse und Deckkkappe gespritzt (siehe Abb. 1).

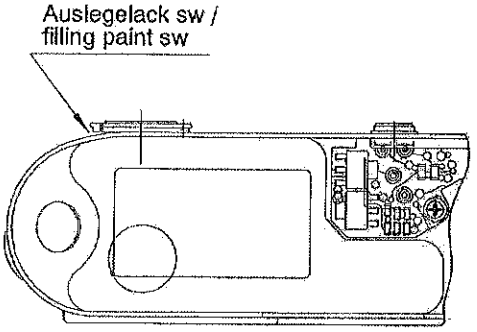
In Zukunft befindet sich eine Nut an der Innenseite der Deckkappe. An dieser Stelle soll der schwarze Auslegelack eingespritzt werden, um die Augenlinse abzudichten (siehe Abb. 2).

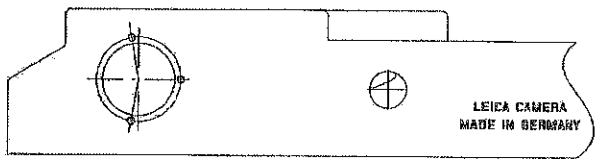
To optimize the frames of the range finder, like in the LEICA MP, the following parts have to be changed.

Until now, to seal eye lens and top cover from M7 and MP-cameras, some black filling paint has to be applied between eye lens and top cover with the aid of a siringe (see fig. 1).

In future there will be a channel on the inside of the top cover. The black filling paint will be applied with a siringe into this channel to seal eye lens (see fig. 2).This will be done allready in production.

Abb. 1
fig. 1





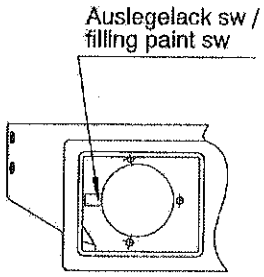
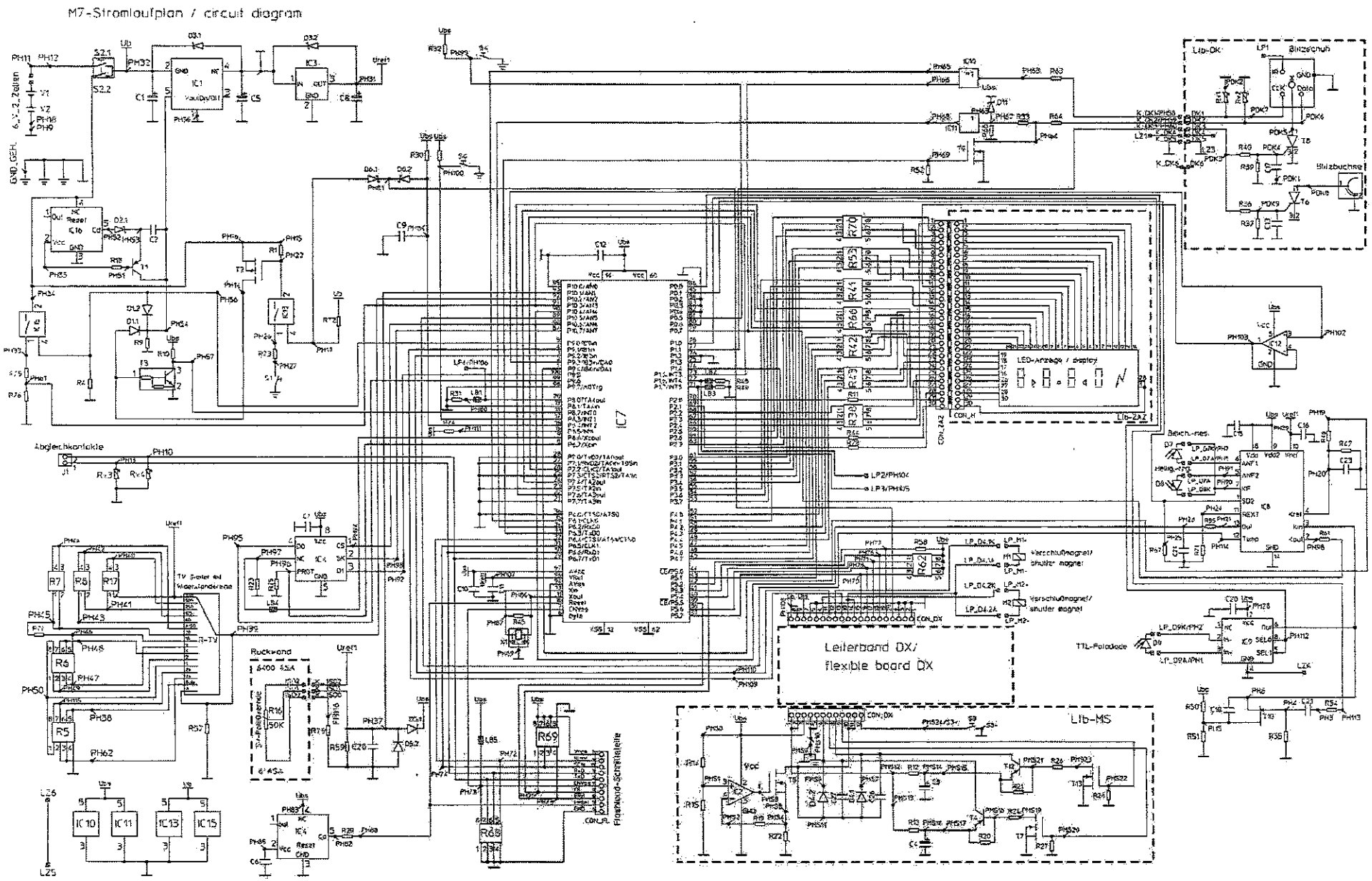
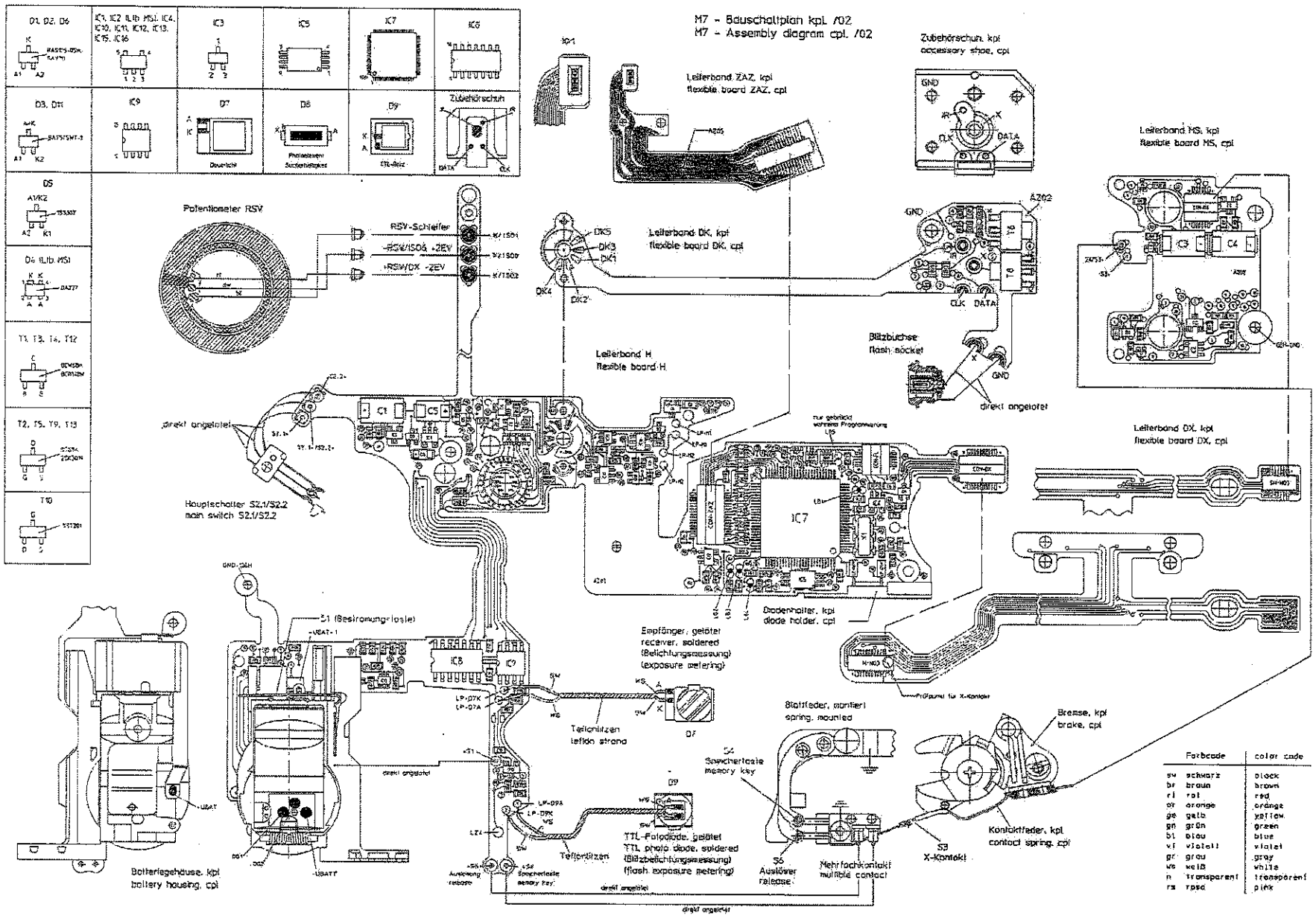


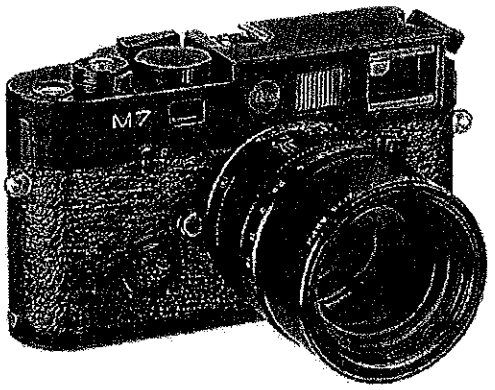
Abb. 2
fig. 2


M7-Stromlaufplan / circuit diagram
Leiterband DX/
flexible board DX
Lib-MS
LED-Anzeige / display
Blitzschuh
Blitzbuchse
Rückwand
TV-Steller mit Widerstandsnetze
Abgleichkontakte
Verschlußmagnet/
shutter magnet
TTL-Polaritate


M7 - Bauschaltplan kpl. /02
M7 - Assembly diagram cpl. /02
Zubehörschuh, kpl
accessory shoe, cpl
Leiterband ZAZ, kpl
flexible board ZAZ, cpl
Leiterband MS, kpl
flexible board MS, cpl
Potentiometer RSV
RSV-Schleifer
Leiterband DK, kpl
flexible board DK, cpl
Leiterband H
flexible board H
Blitzbuchse
flash socket
direkt angelötet
Hauptschalter S2.1/S2.2
main switch S2.1/S2.2
Leiterband DX, kpl
flexible board DX, cpl
Diodenhalter, kpl
diode holder, cpl
Empfänger, gelötet
receiver, soldered
(Belichtungsmessung)
(exposure metering)
Teflonlitzen
teflon strand
Stiftfeder, montiert
spring, mounted
Bremse, kpl
brake, cpl
Speichertaste
memory key
Auslöser
release
Mehrfachkontakt
multible contact
X-Kontakt
Kontaktfeder, kpl
contact spring, cpl
TTL-Fotodiode, gelötet
TTL photo diode, soldered
(Blitzbelichtungsmessung)
(flash exposure metering)
Batteriegehäuse, kpl
battery housing, cpl
Farbcode
color code
sw schwarz black
br braun brown
rt rot red
or orange orange
ge gelb yellow
gn grün green
bl blau blue
vi violett violet
gr grau gray
ws weiß white
n transparent transparent
rs rosa pink

M7

LEICA M7 - Zubehör / Accessories

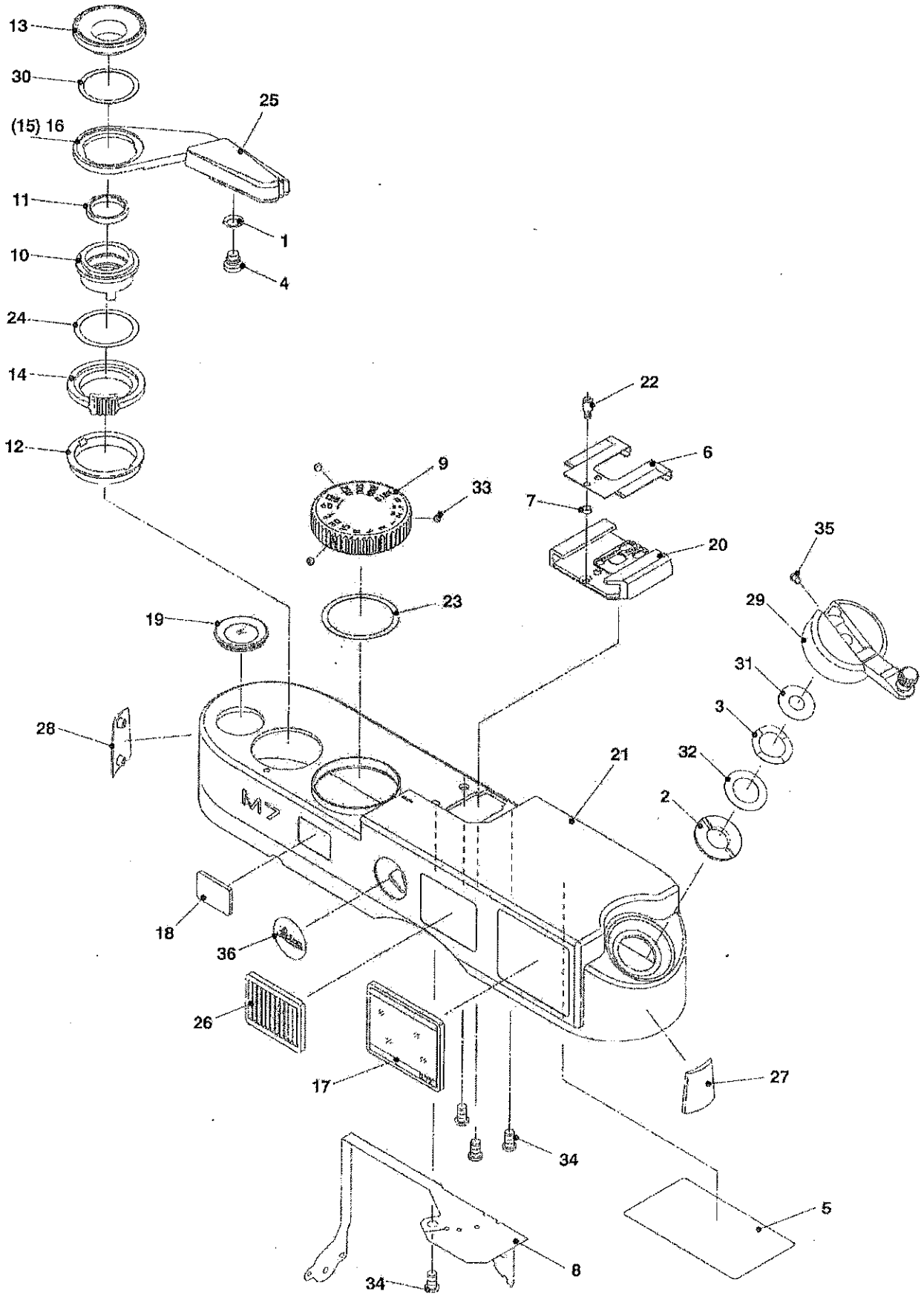


Bestell-Nr. / Order no.	
schwarz / black 0.72	10503
silbern / silver 0.72	10504
schwarz / black 0.58	10501
silbern / silver 0.58	10502
schwarz / black 0.85	10505
silbern / silver 0.85	10506
Edition M7 Titan 0.72 - im Set:	
50 Jahre M-System + Summilux-M 1,4/50 Asph	10570
50 Jahre M + Summicron-M 2/28 Asph Titan	10572

Korrektionslinsen M / Correction lenses M	
+0,5	14350
+1,0	14351
+1,5	14352
+2,0	14353
+3,0	14354
-0,5	14355
-1,0	14356
-1,5	14357
-2,0	14358
-3,0	14359

Tragerlemen mit Gleitschutz (Ersatz) / Carrying strap with anti-slip pad (repl.)	14312 N
Neopren-Tragriemen / Neoprene-carrying strap	42162
Handschlaufe (Ersatz) / Wrist strap (replacem.)	14406
Nappaledertasche M / Nappa leather case M	14522
Bereitschaftstasche M (norm. Vorderteil) / Ever ready care M (stand. front)	14875
Bereitschaftstasche M (gr. Vorderteil) / Ever ready care M (large front)	14876
Kamera-Deckel m. M-Bajonett / Camera body cap with bayonet	14195
Blitzkontakt-Schutzstecker / Flash socket cover	14348
LEICA Motor M	14408
Kleinstativ / Tabletop tripod	14100
Kugelgelenkkopf / Ball-and-socket head	14110
Objektivhalter M / Lens carrier M	14404
Handgriff M / Hand grip M	14405
Drahtauslöser / Cable release 25 cm lang / length	14067
Drahtauslöser / Cable release 50 cm lang / length	14076

LEICA SF 24D Systemblitzgerät schwarz / LEICA SF 24D Systemflash unit black	14444
LEICA SF 24D Systemblitzgerät titan / LEICA SF 24D Systemflash unit titan	14448
LEICA SF 58 Systemblitzgerät schwarz	14488
oder Blitz mit SCA 3502-Schnittstelle (ab Version M4)	
LEICA SF 58 Systemflash unit black	
or flash with SCA 3502-interface (from version M4)	
mit Streuscheibe 24/28 mm (Ersatz) / with diffuser screen 24/28 mm (replacement)	14445
Streuscheibe 85 mm (Ersatz) / Diffuser screen 85 mm (replacement)	14446
Batterie-/Akku-Gehäuse (Ersatz) / Battery housing (replacement)	14402
2 Batterien Lithium Knopfzelle 3V / 2 Battery, Lithium button cell 3V	418-873.921-401
LEICA Sucherlupe M 1.25x LEICA Viewfinder magnifier 1.25x mit Lederköcher + Sicherungskettchen / with leather case + safty chain	12004
Sucher f. 21/24/28mm Objektive m. Lederköcher / Viewfinder f. 21/24/28mm lenses w. leather case	
schwarz eloxiert / black chrome finish	12013
silbern eloxiert / silver chrome finish	12014
Bedienungsanleitung / Operating manual - de,en	93106
Bedienungsanleitung / Operating manual - fr,nl	93107
Bedienungsanleitung / Operating manual - it,es	93108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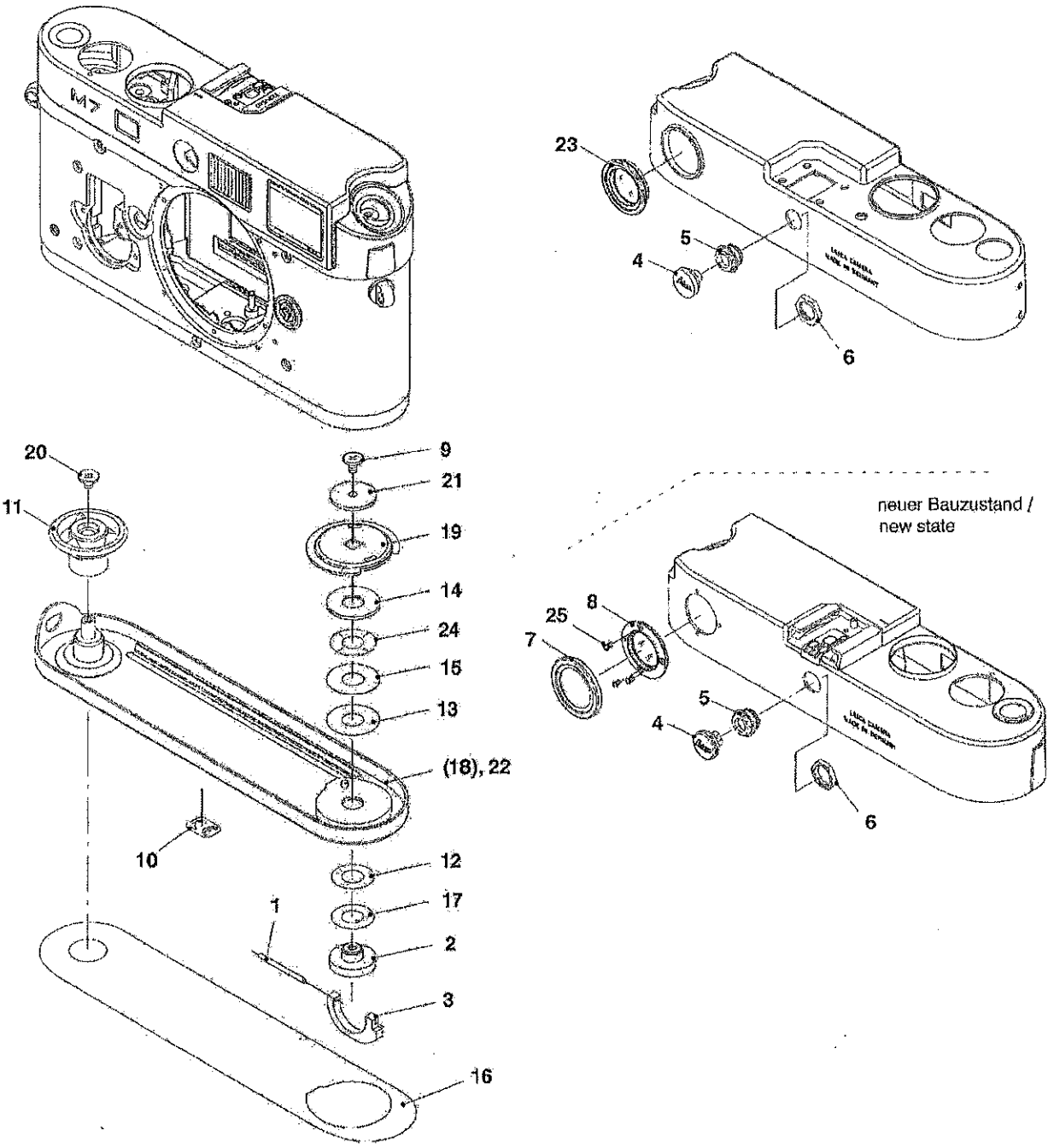
Pos.	Part No.	Description	Quant.	Comments
1	042-782.001-104	spring washer 2,6x4,5x0,1	1	
2	042-782.001-383	threaded ring M6x0,5 light chr.	1	
3	042-782.101-075	sinous spring 6,2x9,5x0,1 light	1	
4	042-795.001-063	trunnion screw M3x1 light	1	
5	042-840.002-110	adhesive foil	1	
6	420-065.052-010	spring, access. shoe black chr.	1	
6	420-066.052-010	spring, access. shoe light chr.	1	
6	420-108.052-010	spring, access. shoe, titan	1	
7	420-065.052-012	spacer	1	1,4x2x0,8
8	420-065.054-000	flexible board DK, sold.	1	
9	420-070.001-009	speed-setting knob, sw chr.	1	
9	420-071.001-009	speed-setting knob, light chr.	1	
9	420-108.001-008	speed-setting knob, titan	1	
10	420-070.001-020	driver, black chr.	1	
10	420-071.001-020	driver, light chr.	1	
11	420-070.001-021	threaded ring M8x0,5-LH	1	
12	420-070.001-022	threaded ring M15,5x0,35	1	f. black chr, black Lack
12	420-071.001-022	threaded ring M15,5x0,35 light chr.	1	
12	420-108.001-022	threaded ring M15,5x0,35 titan	1	
13	420-070.001-024	cover ring, black chr.	1	
13	420-071.001-024	cover ring M10x0,05 light	1	
13	420-108.001-024	cover ring M10x0,5 titan	1	
14	420-070.001-027	rotating ring, black chr.	1	
14	420-071.001-027	rotating ring, light chr.	1	
14	420-108.001-027	rotating ring, titan	1	
15	420-070.010-000	winding lever, cpl black chr.	1	
15	420-071.010-000	winding lever, cpl light chr.	1	
16	420-070.010-005	winding lever, sw chr.	1	
16	420-071.010-005	winding lever, light chr.	1	
16	420-108.010-005	winding lever, titan	1	
17	420-070.051-015	window 0,72, large	1	
17	420-074.050-015	window 0.85, large	1	
17	420-076.050-015	window 0.58, large	1	
18	420-070.051-016	window, small	1	
19	420-070.074-000	magnifying lens M11x0,3 sw, bord.	1	
19	420-071.074-000	magnifying lens M11x0,3 light, bord.	1	
19	420-108.074-000	magnifying lens M11x0,3 titan, bord.	1	
20	420-070.801-000	accessory shoe, light chr.	1	S, N light chrome
20	420-752.051-000	accessory shoe, black without no.	1	S, E-420-070.801-000
20	420-108.801-000	accessory shoe, cpl ti. without no.	1	S

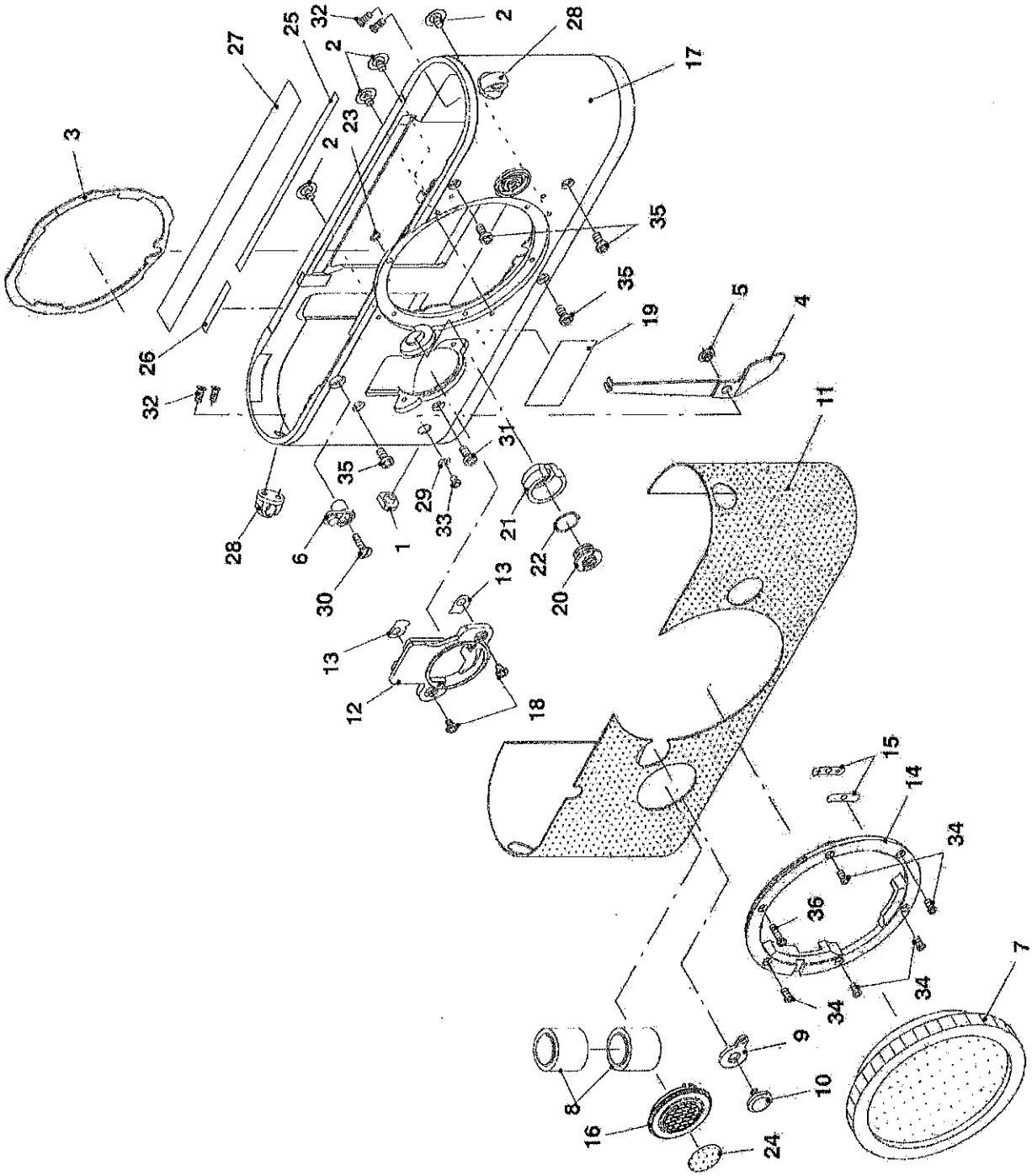
21	420-070.802-000	top cover 0.72 sw, w.o. acc.-shoe	1	S
21	420-071.802-000	top cover 0.72 light, w.o. acc.-shoe	1	S
21	420-074.802-000	top cover 0.72 sw, w.o. acc.-shoe	1	S
21	420-075.802-000	top cover 0.72 light, w.o. acc.-shoe	1	S
21	420-076.802-000	top cover 0.58 sw chr., w.o. acc.-shoe	1	S
21	420-077.802-000	top cover 0.58 light, w.o. acc.-shoe	1	S
21	420-108.802-000	top cover 0.72 titan, without acc.-shoe	1	S
22	438-259.233-002	trunnion screw M1,4x2,4	1	sw
22	438-259.213-002	trunnion screw M1,4x2,4	1	light
22	420-108.052-020	trunnion screw M1,4x2,4 titan	1	
23	438-277.000-002	washer 14,5x17x0,1	1	
24	438-277.000-049	washer 11,6x13,8x0,1	2	w
25	442-215.101-020	grip	1	
26	442-299.050-015	illuminating pane	1	
27	442-299.050-022	edge protection, small	1	
28	442-299.050-023	edge protection, large	1	
29	442-299.080-000	rewind knob, mount.	1	sw chr.
29	042-300.080-000	rewind knob, mount light chr.	1	
29	420-108.080-000	rewind knob, mount.	1	titan
30	706-022.615-000	sinous spring 11x13,6x0,2	1	
31	706-044.163-000	washer 3,6x8,5x0,2	1	
32	706-045.163-000	washer 6,2x10x0,1	1	w
32	706-046.163-000	washer 6,2x10x0,3	1	w
33	707-623.233-000	threaded pin M1,6x1,6 LN12043	3	black
33	707-623.213-000	threaded pin M1,6x1,6 LN12043	3	light
33	420-108.001-018	threaded pin M1,6x1,6 LN12043 titan	3	
34	708-710.220-000	screw M2x2,5 LN12010	4	
35	710-061.233-000	screw M1,4x1,6 LN12010	1	
36	710-271.000-000	Leica-label LN10226 ø10	1	
36	420-108.001-271	Leica-label ø10, titan	1	

base plate, flash connector



Pos.	Part No.	Description	Quant.	Comments
1	042-253.001-754	bearing bolt ø1,3x18	1	
2	042-795.005-019	toggle, black chr.	1	
2	420-108.040-010	toggle, titan	1	
3	042-795.005-020	hinged bow, black chr.	1	
3	420-108.040-020	hinged bow, titan	1	
4	410-055.001-026	cover plug for flash	1	
5	410-055.021-000	flash socket	1	
5	420-066.055-000	flash socket, light riveted	1	
5	420-103.055-000	flash socket, titan riveted	1	
6	420-065.050-010	hexagon nut M6,5x0,5	1	
7	420-070.051-010	eyecup	1	
8	420-070.073-000	eye lens 0.72 sw chr. bord.	1	
8	420-074.073-000	eye lens 0.85 sw, bord.	1	
8	420-076.073-000	eye lens 0.58 sw, bord.	1	
9	438-260.233-042	screw M2,3x4	1	
10	439-666.001-014	adhesive label CE	1	
11	442-215.005-007	roller	1	
12	442-215.005-021	washer 6,2x12x0,1	1	
13	442-215.005-022	washer 6,2x15x0,1	1	
14	442-215.005-023	washer 6,2x15x1	1	
15	442-215.005-024	washer 6,2x15x0,3	2	W
15	442-215.005-026	washer 6,2x15x0,1	2	W
16	442-215.005-025	protection foil	1	
17	442-215.005-027	washer 6,2x12x0,1	1	
18	442-299.040-000	base plate cpl, black	1	M7, mount
18	042-300.040-000	base plate, cpl light chr.	1	M7, mount
18	420-108.040-000	base plate, cpl, titan	1	M7
19	442-299.040-006	blocking mechan. washer	1	
20	442-299.040-008	screw M2,3x3	1	
21	442-299.040-010	washer 2,4x13x1 lacq.	1	
22	442-299.041-000	base plate, lacq.	1	
22	420-108.040-005	base plate, lacq. titan	1	
23	442-299.055-000	eye lens, bordered	1	G 0.72 black chr.
23	420-067.055-000	eye lens 0.85 bordered	1	G 0.85 black chr.
23	420-072.055-000	eye lens 0.58 bordered	1	G 0.58 black chr.
24	706-048.163-000	sinous spring 6x13x0,2	1	
25	709-719.233-000	screw M1,4x2,2 LN12040	3	

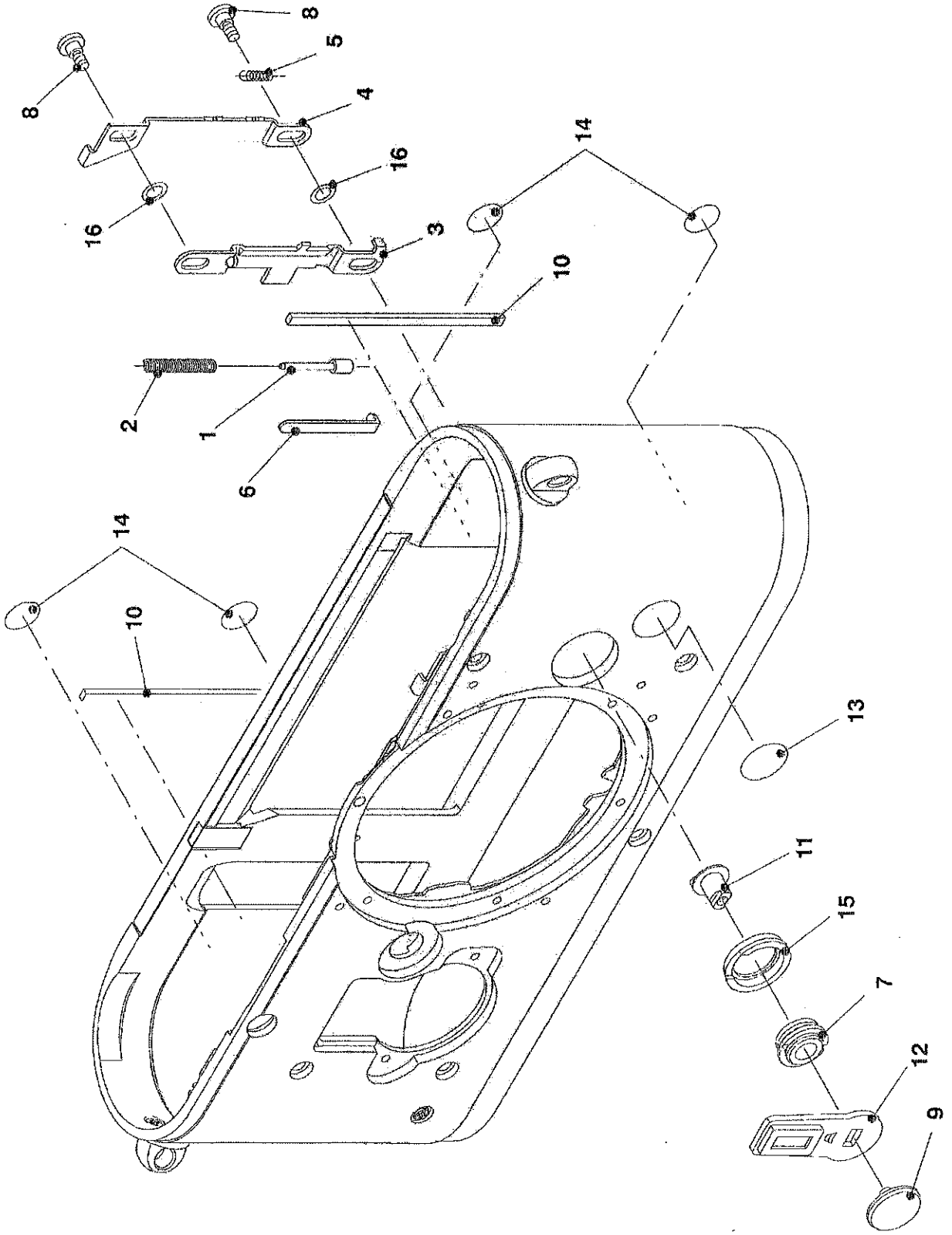
housing, bayonet lock. mechan.



Pos.	Part No.	Description	Quant.	Comments
1	042-253.001-560	rivet, light chr.	1	
1	420-108.262-560	rivet ø3, titan	1	
2	042-253.001-940	shoulder screw M2x2x2,8	4	
3	042-730.002-014	spring ring	1	
4	042-782.002-005	lever	1	
5	042-782.002-006	bushing ø2,2-ø3	1	
6	042-793.001-027	lever, black chr.	1	
6	042-782.001-037	lever, light chr.	1	
6	420-108.037-000	R-lever, titan	1	
7	14195	M-protection cap	1	
8	418-873.921-401	lithium coin cell 3V	2	
9	420-065.003-008	locking pawl	1	light chr.
9	420-108.003-006	locking pawl, titan	1	
10	420-065.003-010	screw M2x3	1	
10	420-108.003-010	screw M2x3 titan	1	
11	420-070.001-040	leather covering	1	
11	420-700.101-005	leather covering, Sattelleder sw	1	titan
12	420-070.003-010	guide bushing	1	
13	420-070.003-011	bayonet spring	2	
14	420-070.003-015	bayonet ring	1	
14	420-108.003-015	bayonet ring, titan	1	
15	420-070.003-016	adjusting washer 0,03-1 hole	1	w
15	420-070.003-017	adjusting washer 0,05-3 hole	1	w
16	420-070.060-000	battery cover, cpl, black	1	
16	420-108.060-000	battery cover, cpl titan	1	
17	420-070.252-000	housing	1	
17	420-108.252-000	housing, mount.	1	titan
18	438-261.233-029	screw M1,7x0,9x2	2	
19	442-215.002-005	insulating foil, large	1	8x25mm
20	442-215.002-060	locking mechanism, mount.	1	
21	442-299.001-030	protection sleeve	1	
21	420-108.003-032	protection sleeve, titan	1	
22	442-299.002-024	washer 6,2x7,5x0,1	1	w
22	442-299.003-023	washer 6,2x7,5x0,3	1	w
23	442-299.003-019	washer 0,02	1	w
23	442-299.003-020	washer 0,03	1	w
23	442-299.003-021	washer 1,3x3x0,05	1	w
24	442-299.060-008	round leather piece	1	
25	442-299.250-011	adhesive strip, long	1	
26	442-299.250-012	adhesive strip 17,5x2,5	1	short

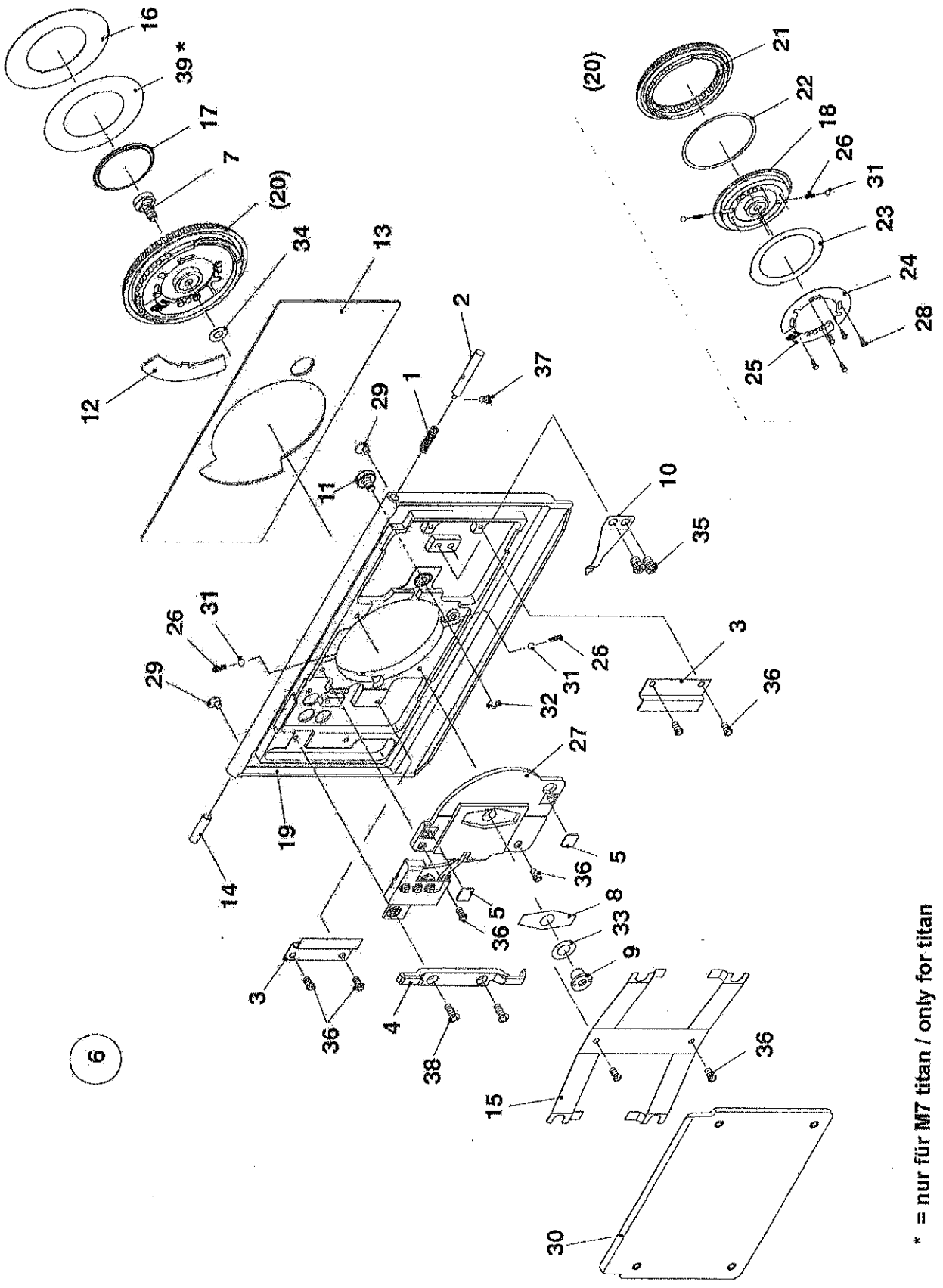
27	442-299.250-013	sealing strip	1	
28	442-299.262-012	carrying loop	2	
28	420-108.252-022	carrying loop, titan	2	
29	705-919.220-000	washer 1,8x3,5x0,2	1	
30	706-006.233-000	screw M1,7x6,3	1	sw
30	706-006.214-000	screw M1,7x6,3	1	light chr.
30	420-108.001-068	screw M1,7x6,3 titan	1	
31	707-938.220-000	screw M2x4 LN12015	1	
32	708-688.233-000	screw M1,7x4 LN12040	4	
33	708-703.233-000	screw M1,7x2 LN12010	1	
34	708-705.213-000	screw M1,7X3 LN12010	5	
34	420-108.003-027	screw M1,7x3 LN12010 titan	5	
35	710-102.233-000	screw M2x4,5 LN12015	4	
36	710-104.233-000	screw M1,7x6 LN12010 black	1	
36	420-108.003-026	screw M1,7x6 LN12010 titan	1	

image fild selector



Pos.	Part No.	Description	Quant.	Comments
1	042-253.001-545	spring pin	1	
2	042-253.001-546	pressure spring 0,3x1,6x16,6 DIN 17223	1	
3	042-253.001-626	slider, lower	1	
4	042-253.001-627	slider, upper	1	
5	042-253.001-630	pull spring, 0,2x1,3x7	1	
6	042-253.001-632	support bracket	1	
7	042-253.001-635	guide bushing	1	
8	042-782.002-010	shoulder screw M1,7x2,8	2	
9	042-793.002-031	screw M1,7x3,2 black	1	
9	042-300.001-070	screw M1,7x3,2 light chr.	1	
9	420-108.001-031	screw M1,7x3,2 titan	1	
10	420-070.001-030	sealing strip	1	
11	420-070.252-005	cam shaft	1	
12	442-215.002-038	lever, mount.	1	sw chr.
12	042-300.060-000	mask selector, light chr.	1	
12	420-108.038-000	mask selector cpl, titan	1	
13	442-299.001-043	adhesive foil	2	as required
14	442-299.207-008	insulating foil	4	
15	442-299.250-010	bushing	1	
15	420-108.252-010	bushing ø10, titan	1	
16	705-992.220-000	washer 2,5x4,2x0,06	2	

rear cover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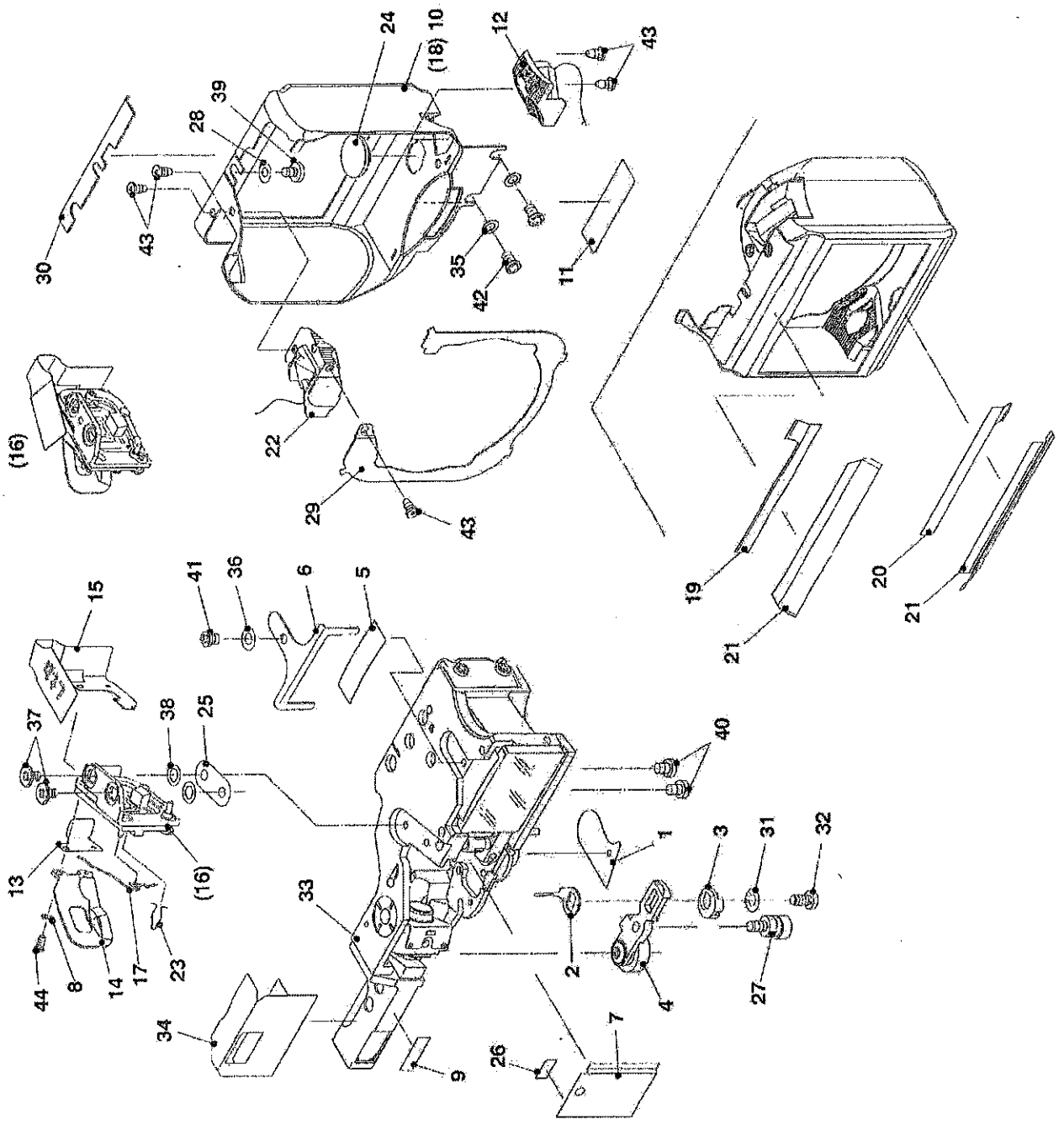
* = nur für M7 titan / only for titan

Pos.	Part No.	Description	Quant.	Comments
1	042-253.001-569	pressure spring 0,3x1,5x8	1	
2	042-253.001-570	setting bolt	1	
3	042-253.001-650	holding sheet	2	
4	042-750.009-016	pressure ledge	1	
5	410-055.085-005	sheet	2	
6	420-070.400-000	rear cover, cpl	1	
6	420-108.400-000	rear cover, cpl titan	1	
7	420-070.400-010	screw M2x4,5	1	
7	420-070.400-034	screw M2x4,5	1	U 420-070.400-033
8	420-070.400-011	leaf spring	1	
9	420-070.400-012	nut M2	1	
10	420-070.400-013	locking bar	1	
11	420-070.400-016	unlock button	1	
11	420-108.400-026	unlock button, titan	1	
12	420-070.400-018	OV-scale	1	
12	420-108.400-008	OV-scala, titan	1	
13	420-070.400-020	leather covering-rear	1	M7
13	420-700.101-010	leather covering-rear, Sattelleder sw	1	f. titan
14	420-070.400-021	pin	1	
15	420-070.400-025	spring	1	
16	420-070.400-027	ISO-washer	1	
16	420-108.400-014	ISO-washer, titan	1	
17	420-070.400-033	washer 15,2x0,9	1	
18	420-070.400-035	ISO-knob	1	
19	420-070.405-000	rear cover, riveted	1	
19	420-108.405-000	rear cover, riveted	1	titan
20	420-070.410-000	rotating knob, cpl	1	
21	420-070.410-004	OV-ring	1	
22	420-070.410-006	sinuous spring 22x24x0,1	1	
23	420-070.410-010	sealing disc 18,2x23,9x0,1	1	
24	420-070.410-011	fixing ring	1	
25	420-070.410-016	ISO-brush	1	
26	420-070.410-019	pressure spring	4	
27	420-070.420-000	RSV carrier, cpl	1	
28	438-245.220-001	Taptite-screw 1x2,5 LN12053	5	
29	442-299.400-009	nipple, riveted	2	
30	442-299.440-000	pressure plate	1	
31	704-608.000-000	ball DIN 5401-1,5	4	
32	704-779.220-000	c-clip DIN 6799-1,2	1	
33	705-556.220-000	washer 3,2x6x0,1	1	

34	705-680.220-000	washer 2,2x4,5x0,1	1	
35	708-710.233-000	screw M2x2,5 LN12010	2	
36	710-055.233-000	screw M1,4x2,5 LN12010	8	
37	710-061.233-000	screw M1,4x1,6 LN12010	1	
38	710-114.233-000	screw M1,4x4 LN12052	2	
39	420-070.400-031	adhesive foil	1	ISO titan

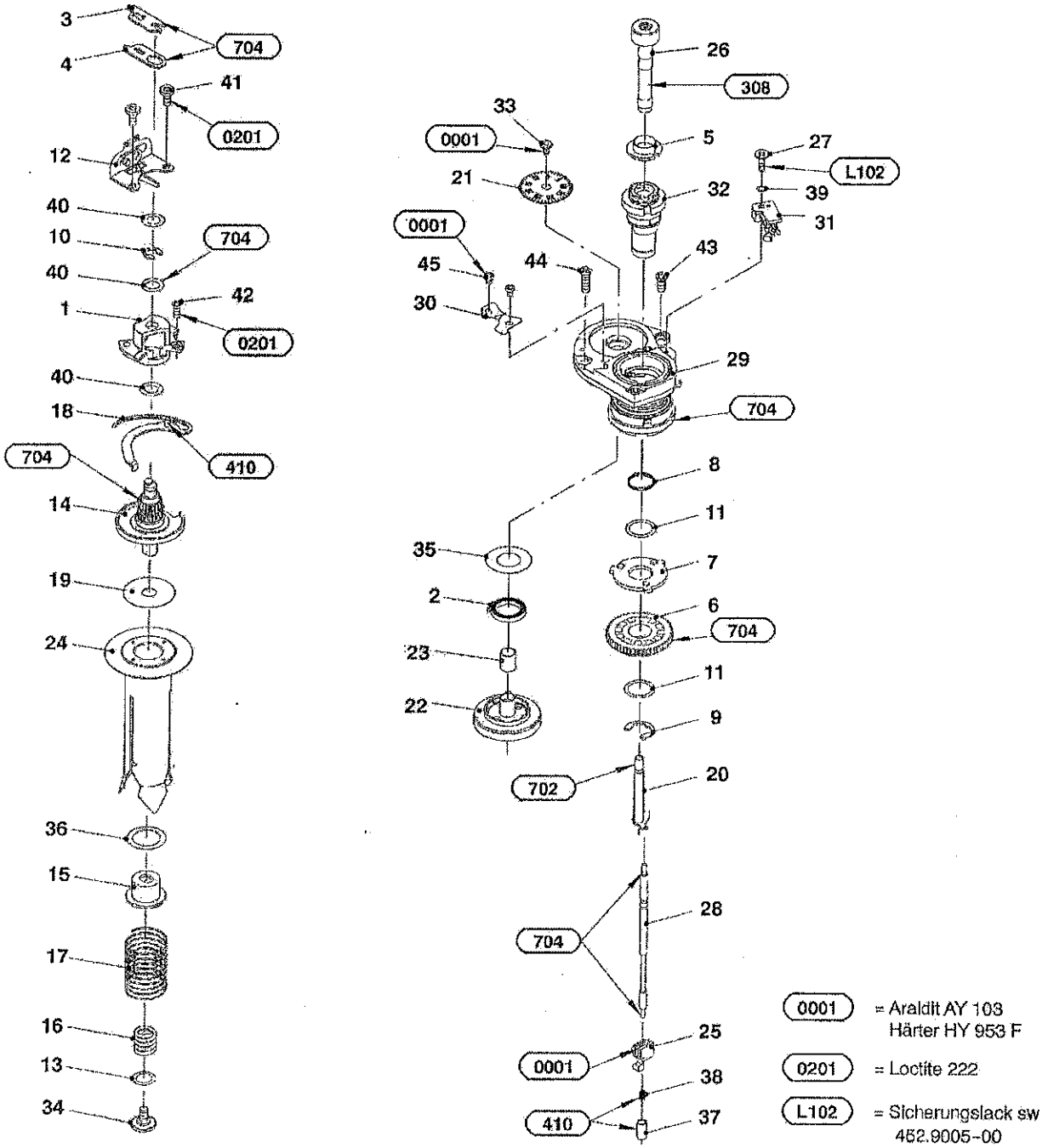
range finder



Pos.	Part No.	Description	Quant.	Comments
1	042-253.001-107	sealing plate	1	
2	042-253.017-025	stop disk	1	
3	042-253.017-026	eccentric	1	
4	042-253.017-128	roller lever	1	G old
4	420-200.506-000	roller lever, cpl	1	G new
5	042-582.003-118	leaf spring	1	
6	042-582.003-119	holding spring	1	
7	042-582.003-159	light stop	1	
8	042-840.003-076	washer 1,5x2,4x0,2	1	
9	410-055.580-036	adhesive foil, double-sided	1	
10	420-065.160-004	cover plate	1	
11	420-065.160-010	tape 19x10	1	
12	420-065.170-000	photo diode TTL, cpl	1	
13	420-070.315-024	support bracket	1	
14	420-070.315-044	mirror	1	
15	420-070.330-000	flexible board ZAZ	1	
16	420-070.350-000	mask carrier 0.72, 6fach, cpl	1	
16	420-074.350-000	mask carrier 0.85, 5fach	1	
16	420-076.350-000	mask carrier 0.58 cpl, 5fach	1	
17	420-070.350-025	torsion spring DIN 2076	1	
18	420-070.560-000	cover plate, kpl	1	
18	420-070.561-000	cover plate, mount.	1	
19	420-070.560-011	adhesive strip, upper 35x5,5	1	
20	420-070.560-012	adhesive strip, lower	1	
21	420-070.560-016	light stop	2	
22	420-070.570-000	receiver, cpl	1	
23	442-215.003-019	leg spring DIN 2076	1	
24	442-270.101-015	cap	1	
25	442-299.001-017	adjusting disc 0,06	1	w
25	442-215.003-020	adjusting disc 0,1	1	w
26	442-299.001-033	adhesive foil, double-sided	1	
27	442-299.070-000	eccentric with screw	1	G
28	442-299.102-167	washer 1,8x4x0,2	1	
29	442-299.160-010	ring cover	1	
30	442-299.160-013	sealing strip	1	
31	442-299.303-027	washer 2,2x4,5x0,3	1	
32	442-299.303-028	screw M2x4	1	
33	442-299.304-000	range finder, cpl	1	0.72
33	442-299.303-000	range finder, without carrier	1	
33	420-067.303-000	rangefinder, without mask carrier 0.85	1	

33	420-072.303-000	rangefinder, without mask carrier 0.58	1	
34	442-299.318-000	light stop, mounted	1	
35	705-854.220-000	washer 2,2x3,5x0,2	2	
36	705-929.220-000	washer 1,8x3,5x0,1	1	
37	705-974.130-000	screw M1,7x2,4	2	old
37	438-260.233-035	screw M1,7x2,5	2	new
38	705-992.220-000	washer 2,5x4,2x0,06	2	w
38	706-024.220-000	washer 2,5x4,2x0,1	2	w
39	707-930.233-000	screw M1,7x2,5 LN12015	1	
40	707-936.233-000	screw M2x2,5 LN12015	2	
41	708-703.233-000	screw M1,7x2 LN12010	1	
42	708-711.220-000	screw M2x3 LN12010	2	
43	708-835.233-000	Taptite-screw M1,7x3 LN12053	5	
44	710-055.233-000	screw M1,4x2,5 LN12010	1	

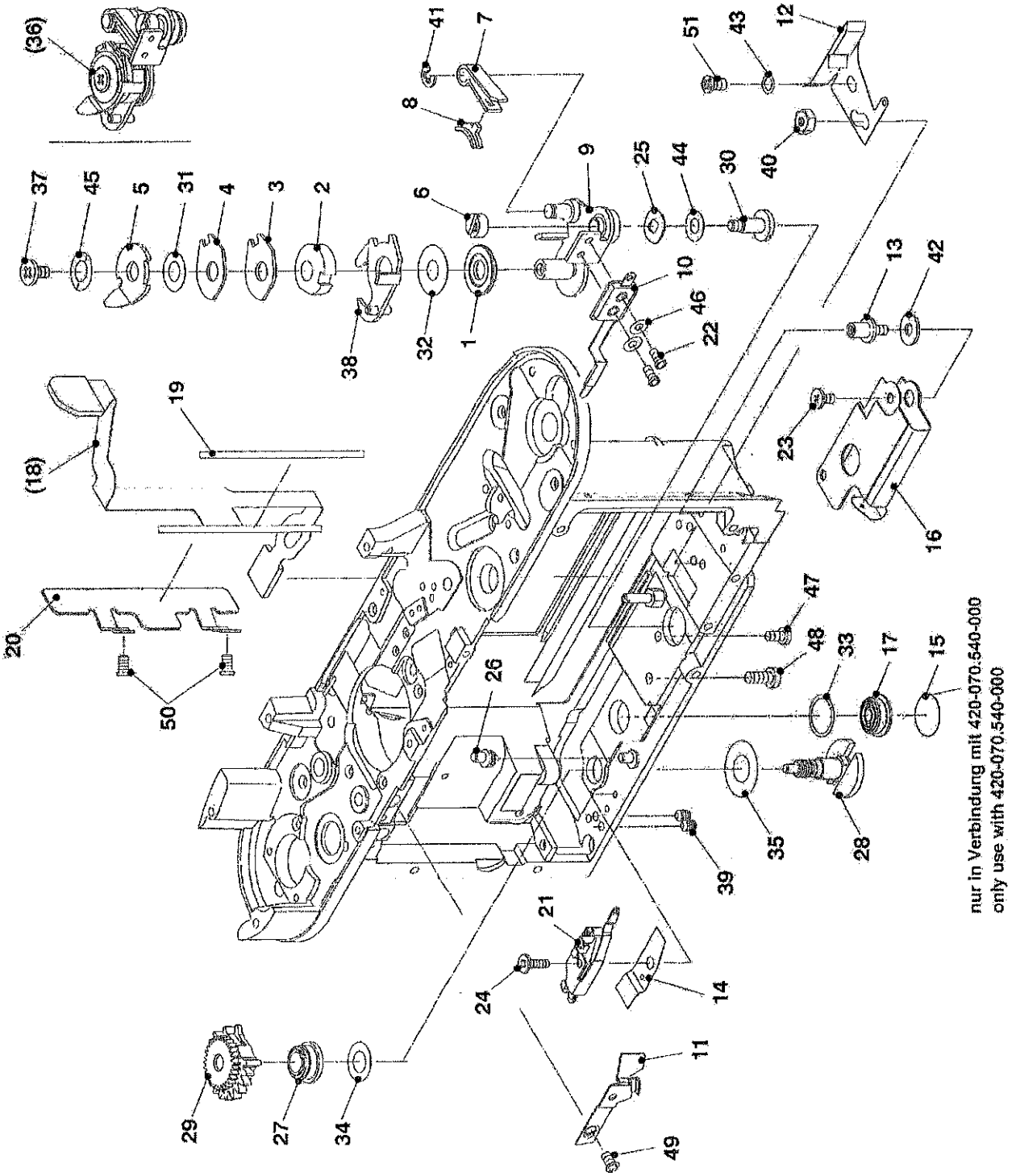
winding mechan., take-up spool



Pos.	Part No.	Description	Quant.	Comments
1	042-253.001-047	bearing bushing	1	
2	042-253.001-158	spiral spring	1	
3	042-253.001-395	pawl	1	
4	042-253.001-396	locking lever	1	
5	042-582.001-039	sleeve	1	
6	042-582.001-143	gear	1	
6	420-070.580-005	gear DIN-gearing	1	
7	042-582.001-144	coupling disc	1	
8	042-582.001-145	pressure spring 0,2x6,8x5,3 DIN 17223	1	
9	042-582.001-150	c-clip 4,8x7,8x0,5	1	
10	042-582.001-198	c-clip DIN 6799-0,4	1	
11	042-730.009-036	adjusting washer 6x8x0,06	2	W
11	042-730.009-037	adjusting washer 8x6x0,1	2	W
11	042-730.009-038	adjusting washer 8x6x0,2	2	W
12	042-782.001-072	holding bracket, mount.	1	
13	042-782.001-150	washer 4,1x6x0,2	1	W
13	042-782.001-166	washer 4,1x6x0,5	1	W
14	042-782.001-159	winding axis	1	G
15	042-782.001-163	bushing	1	
16	042-782.001-164	pressure spring 0,8x5x9 DIN 2076	1	
17	042-782.001-171	pressure spring 0,36x10,64x16	1	
18	042-782.001-178	spring lever, riveted	1	
19	420-065.003-033	washer 13,5x3,8x0,1	1	
20	420-065.108-000	shutter release pin	1	riveted
21	420-065.175-008	counting disc	1	
22	420-065.175-010	spring housing	1	
23	420-065.175-011	sleeve	1	
24	420-070.003-176	take-up spool	1	
25	420-070.500-015	switch block	1	
26	420-070.500-026	release button	1	
26	420-108.579-026	release button, titan	1	
27	420-070.500-135	screw M1,6x5	1	
28	420-070.502-011	release axis	1	
29	420-070.575-000	winding mechanism, mount.	1	
30	420-070.575-013	indicator disc	1	
31	420-070.577-000	double switch, cpl	1	§ G
32	420-070.579-000	drive axis, pre-assem.	1	
33	438-245.233-019	Taptite-screw 1,4x3-LH	1	
33	438-245.233-024	Taptite-screw 1,4x3-LH	1	
34	438-261.233-032	shoulder screw M2x0,8x3,6	1	

35	442-215.005-027	washer 6,2x12x0,1	1	
36	442-299.003-035	washer 7,2x10,2x0,1	1	
37	442-299.100-020	sleeve	1	w lifter middle
37	442-299.100-021	sleeve	1	w lifter large
37	442-299.102-011	sleeve	1	w lifter small
38	442-299.100-025	pressure spring 0,14x1,46x7,4	1	DIN 2076
39	442-299.102-153	washer 1,8x2,6x0,06	1	
40	705-522.220-000	washer 3,2x6x0,2	3	w
40	705-556.220-000	washer 3,2x6x0,1	1	w
40	706-023.220-000	washer 3,2x6x0,06	1	w
41	707-932.233-000	screw M1,7x4 LN12015	2	
42	708-688.233-000	screw M1,7x4 LN12040	1	
43	708-713.220-000	screw M2x4 LN12010	1	
44	708-714.233-000	screw M2x5 LN12010	1	
45	710-057.233-000	screw M1,4x2 LN12015	2	

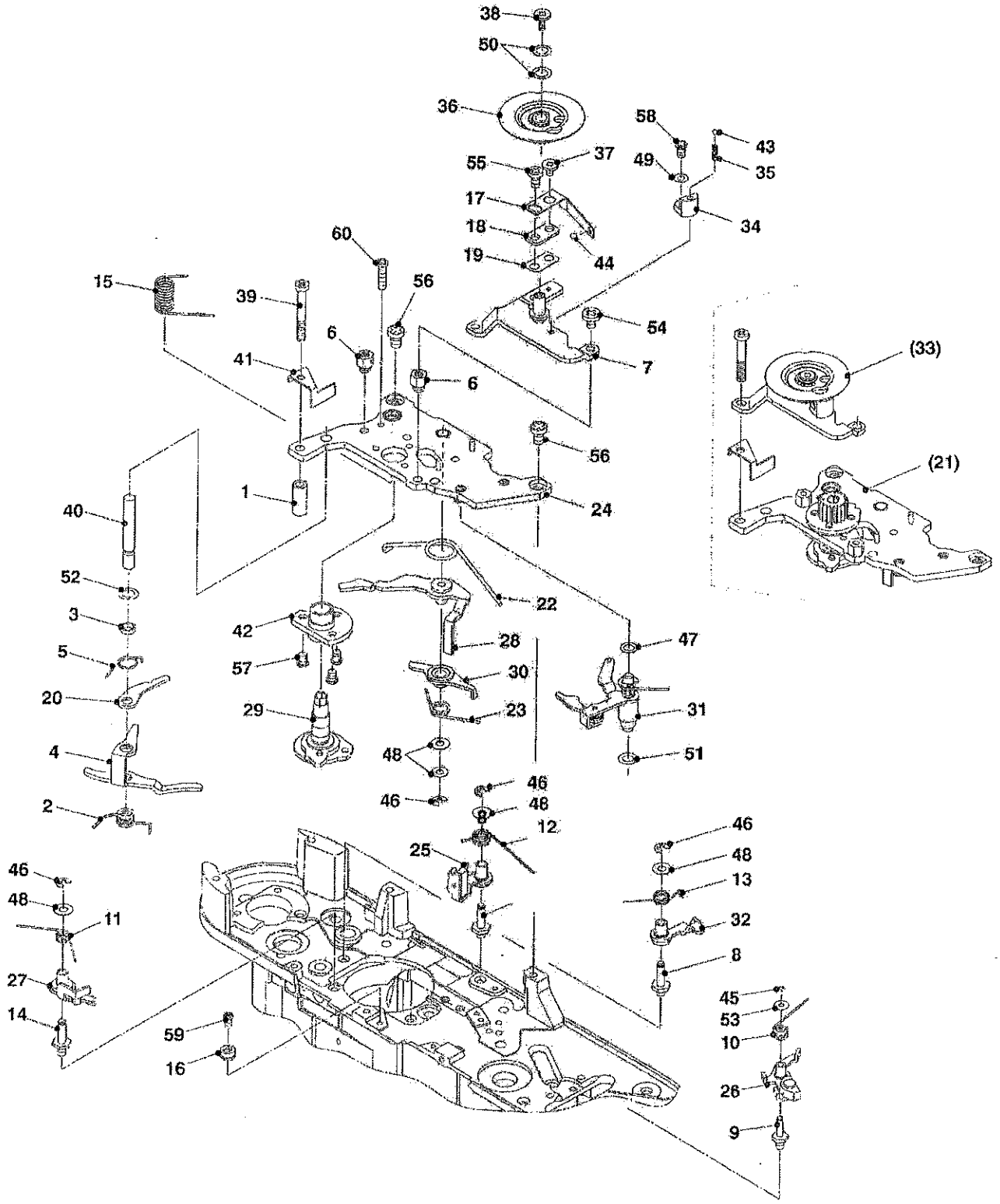
brake, flash synchr.



Pos.	Part No.	Description	Quant.	Comments
1	042-582.001-256	friction washer	1	
2	042-582.001-258	brake disk	1	
3	042-582.001-259	intermediate plate	1	
4	042-582.001-260	friction washer	1	
5	042-582.001-261	brake disk	1	
6	042-582.001-273	eccentric	1	
7	042-582.001-274	brake spring	1	
8	042-582.001-275	brake runner	1	
9	042-582.001-470	bearing sheet, riveted	1	
10	420-065.116-000	contact spring	1	cpl
11	420-070.500-029	cable carrier	1	
12	420-070.500-031	light spring	1	
13	420-070.500-036	distance bolt	1	
14	420-070.500-050	insulation	1	
15	420-070.500-052	adhesive foil	1	only f. 420-070.540-000
16	420-070.515-000	flexible board MS cpl	1	
17	420-070.540-000	journal bearing cpl	1	
17	420-070.541-000	ball bearing, cpl	1	
18	420-070.552-000	flexible board DX, cpl+sensor	1	
19	420-070.552-005	sensor holder DX	1	
20	420-070.552-010	pressure spring	1	
21	420-070.574-000	contact	1	
22	438-228.220-001	screw M1,4x3	2	
23	438-260.220-015	screw M1,6x2,9	1	
24	438-260.220-027	screw M1,4x4,75	1	
25	438-283.163-001	sinous spring 2,6x6,1x0,3	1	
26	442-215.001-004	eccentric	1	
27	442-215.001-029	bushing	1	
28	442-215.001-031	axis	1	
28	420-070.500-066	drive axis	1	new
29	442-215.001-043	intermediate gear, cpl	1	
29	420-070.596-000	intermediate gear, cpl	1	
29	420-070.594-000	intermediate gear, cpl	1	new
30	442-215.010-006	shoulder screw M2x4,4x2,5	1	
31	442-215.010-031	washer 3,6x7x0,1	1	
32	442-215.010-032	washer 3,6x9x0,1	1	
33	442-299.002-024	washer 6,2x7,5x0,1	1	
34	442-299.102-104	washer 3,8x7x0,06	1	
35	442-299.102-108	washer 4,8x10x0,1	1	w
35	442-299.102-109	washer 4,8x10x0,6	1	w

36	442-299.112-000	brake, cpl	1	
37	442-299.112-024	shoulder screw M2x0,4x2,9	1	
38	442-299.113-000	brake disk, mount.	1	
39	702-514.220-000	threaded pin M2x2 DIN 551	2	
40	704-226.000-000	nut M2 DIN 934	2	
41	704-780.220-000	c-clip DIN 6799-1,5	1	
42	705-568.163-000	washer 2,2x5,5x0,5	1	
43	705-854.220-000	washer 2,2x3,5x0,2	1	
44	706-071.163-000	washer 2,7x5,5x0,1	1	w
45	706-208.000-000	sinous spring 3,5x8,4x0,2	1	
46	707-132.220-000	washer 1,6x 3,5x0,3	2	
47	707-931.233-000	screw M1,7x3 LN12015	1	
48	707-939.233-000	screw M2x5 LN12015	1	
49	708-687.233-000	screw M1,7x3 LN12040	1	
50	708-705.233-000	screw M1,7X3 LN12010	2	
51	708-711.233-000	screw M2x3 LN12010	1	

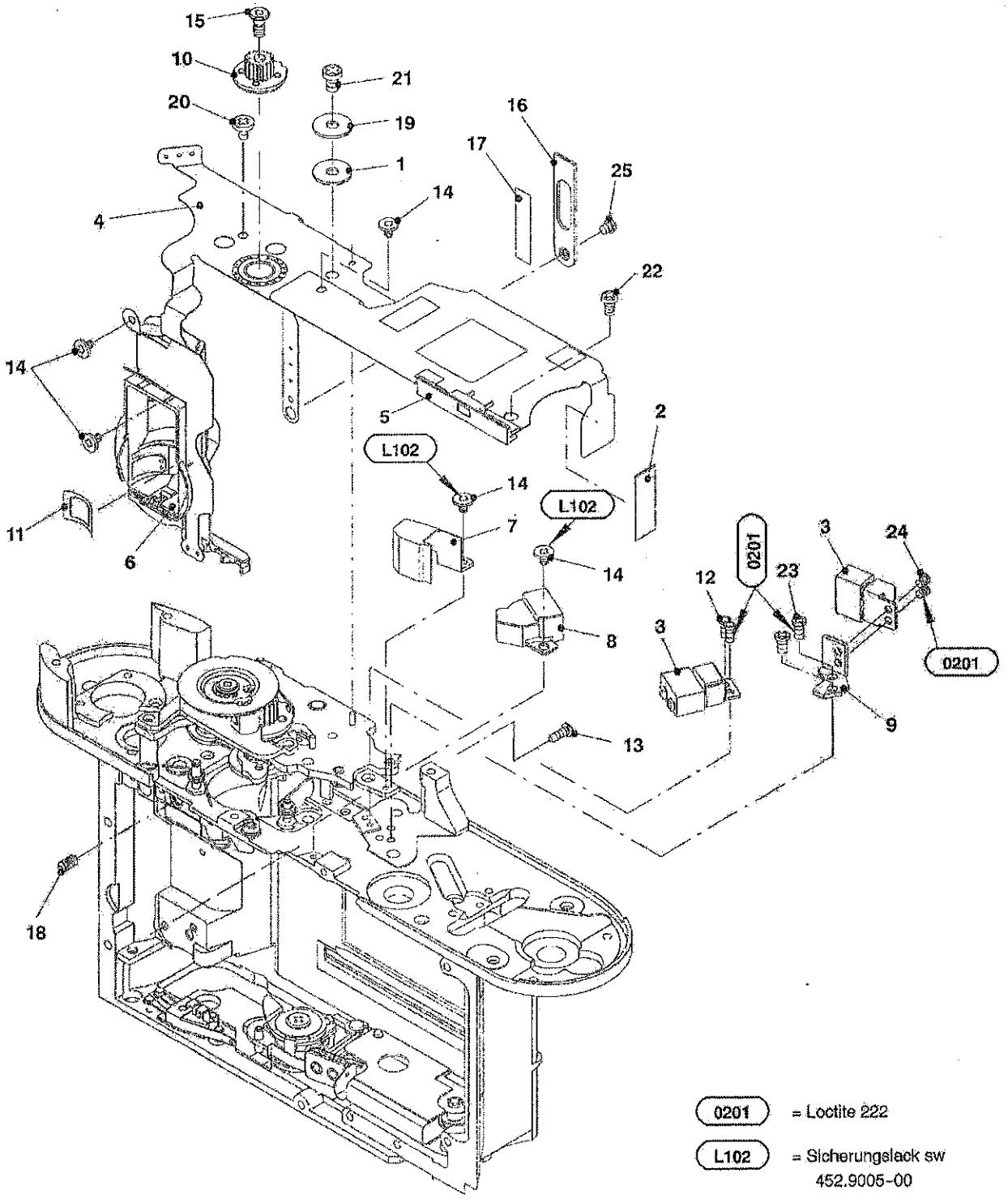
bearing plate



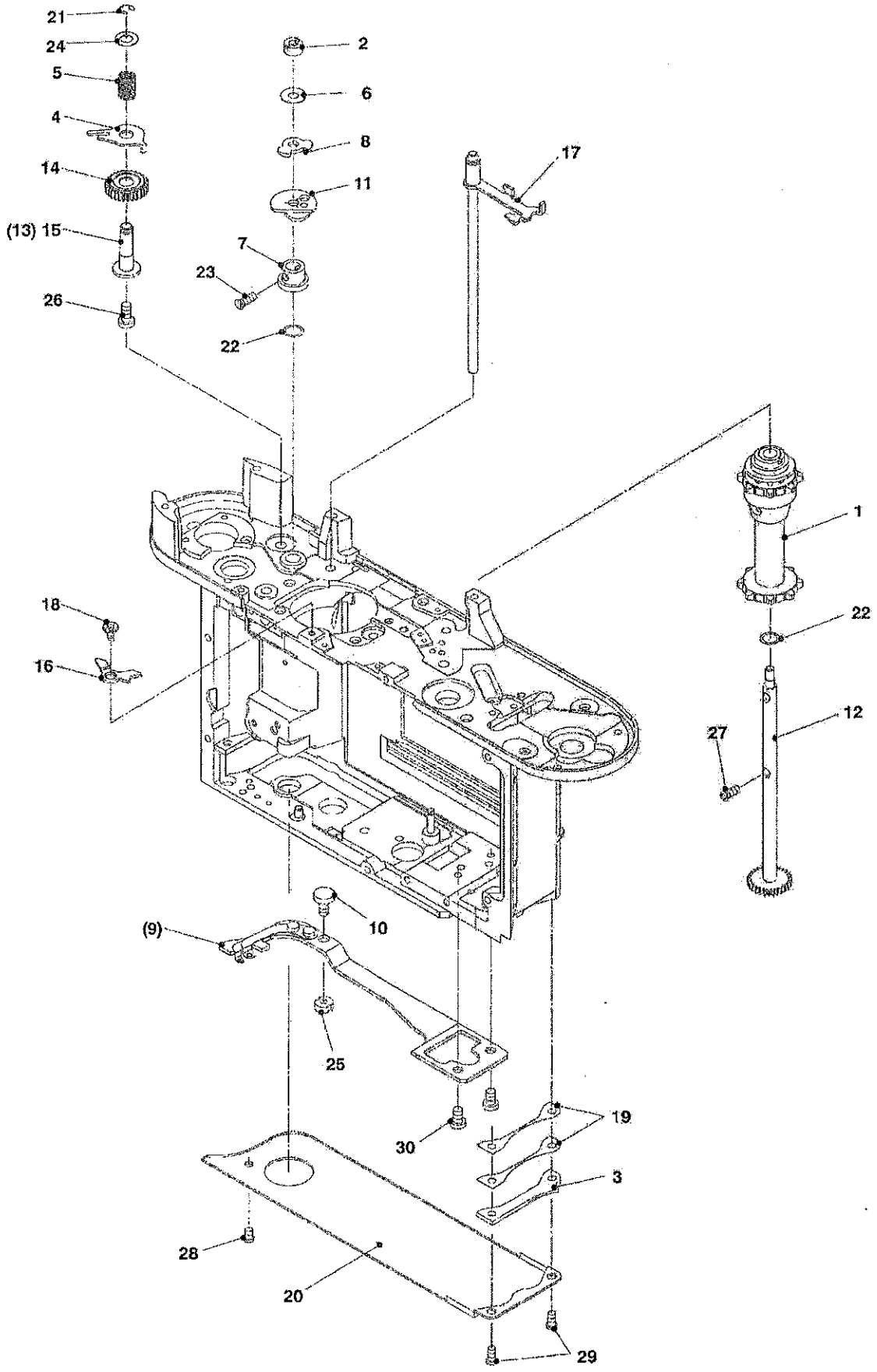
Pos.	Part No.	Description	Quant.	Comments
1	042-253.001-050	sleeve ø3xø2,7x7	1	
2	042-253.001-058	spring DIN 17223-0,4	1	
3	042-253.001-060	spacer	1	
4	042-253.001-129	stop lever	1	
5	042-253.001-826	spring DIN 17223-0,36	1	
6	420-065.120-012	spacer	2	
7	420-065.192-000	bearing plate, riveted	1	
8	420-070.500-005	axis	2	
9	420-070.500-006	axis	1	
10	420-070.500-010	torsion spring DIN 2076	1	
11	420-070.500-012	torsion spring DIN 2076	1	
12	420-070.500-014	torsion spring DIN 2076	1	
13	420-070.500-018	torsion spring DIN 2076	1	
14	420-070.500-020	axis	1	
15	420-070.500-025	pressure spring DIN 2076	1	
16	420-070.500-032	eccentric bushing	1	
17	420-070.500-042	leaf spring	1	
18	420-070.500-043	intermediate plate	1	
19	420-070.500-044	intermediate plate	1	
20	420-070.500-047	stop lever	1	
21	420-070.520-000	bearing plate, cpl	1	
22	420-070.520-010	torsion spring DIN 2076	1	
23	420-070.520-012	torsion spring DIN 2076	1	
24	420-070.521-000	bearing plate, riveted	1	
25	420-070.522-000	lever	1	
26	420-070.524-000	lever, riveted	1	
27	420-070.528-000	pawl lever	1	
28	420-070.532-000	tension lever	1	
29	420-070.533-000	speed-setting cam	1	G
30	420-070.534-000	stop lever	1	
31	420-070.535-000	control lever, cpl	1	
32	420-070.538-000	catch lever	1	
33	420-070.590-000	speed-setting plate, cpl	1	
34	420-070.590-010	guide	1	
35	420-070.590-012	pressure spring DIN 2076	1	
36	420-070.593-000	arresting disc	1	G
37	438-260.220-024	screw M1,4x2	1	
38	438-260.233-012	screw M1,4x3,5	1	
39	438-299.220-009	screw M1,7x13	1	
40	442-299.100-055	axis	1	

41	442-299.102-188	support bracket	1	
42	442-299.120-012	bearing flange	1	
43	704-606.000-000	ball DIN 5401-1,2	1	
44	704-608.000-000	ball DIN 5401-1,5	1	
45	704-777.220-000	c-clip DIN 6799-0,8	1	
46	704-779.220-000	c-clip DIN 6799-1,2	4	
47	705-854.220-000	washer 2,2x3,5x0,2	1	
48	705-903.220-000	washer 1,8x 4,0x0,2	4	w
48	710-174.000-000	washer 1,6x3,5x0,1	4	w
49	705-976.220-000	washer 1,8x2,6x0,1	1	
50	705-992.220-000	washer 2,5x4,2x0,06	1	w
50	706-024.220-000	washer 2,5x4,2x0,1	1	w
51	706-009.220-000	washer 2,2x3,5x0,1	1	N
51	438-277.220-085	washer 2,2x3,5x0,1	1	E
52	706-024.220-000	washer 2,5x4,2x0,1	1	
53	706-376.220-000	washer 1,2x3,1x0,2	1	
54	707-930.220-000	screw M1,7x2,5 LN12015	1	
55	707-931.233-000	screw M1,7x3 LN12015	1	
56	707-937.220-000	screw M2x3 LN12015	2	
57	708-703.220-000	screw M1,7x2 LN12010	3	
58	708-704.220-000	screw M1,7x2,5 LN12010	1	
59	710-055.233-000	screw M1,4x2,5 LN12010	1	
60	710-104.233-000	screw M1,7x6 LN12010 black	1	

battery housing, flexible board H



Pos.	Part No.	Description	Quant.	Comments
1	410-055.500-105	washer 2,2x7x0,5	1	2,2x7x0,5
2	410-055.577-006	adhesive foil, double-sided	1	
3	419-854.222-005	magnet CM-8 M7	2	
4	420-070.200-000	flexible board H, cpl	1	
5	420-070.212-000	holder, cpl	1	
6	420-070.220-000	battery housing, cpl	1	
7	420-070.500-001	magnetic shield	1	
8	420-070.500-002	magnetic shield	1	
9	420-070.500-024	holding bracket	1	
10	420-070.545-000	arresting disc	1	
11	420-097.060-011	operating label	1	
12	438-228.220-001	screw M1,4x3	2	LN 12010
13	438-245.233-001	Taptite-screw 1,4x4 LN12053	1	
14	438-260.220-024	screw M1,4x2	5	
15	438-261.220-024	shoulder screw M2x1,5x2,5	1	
16	442-299.001-020	cover plate	1	
17	442-299.002-012	adjusting foil	1	
18	702-639.213-000	threaded pin M1,7x4 DIN 533	1	
19	707-382.220-000	washer 2,2x7x0,5	1	
20	707-930.220-000	screw M1,7x2,5 LN12015	1	
21	707-937.220-000	screw M2x3 LN12015	1	
22	707-942.220-000	screw M1,7X2 LN12015	1	
23	708-705.220-000	screw M1,7X3 LN12010	2	
24	710-061.220-000	screw M1,4x1,6 LN12010	2	
25	710-061.233-000	screw M1,4x1,6 LN12010	1	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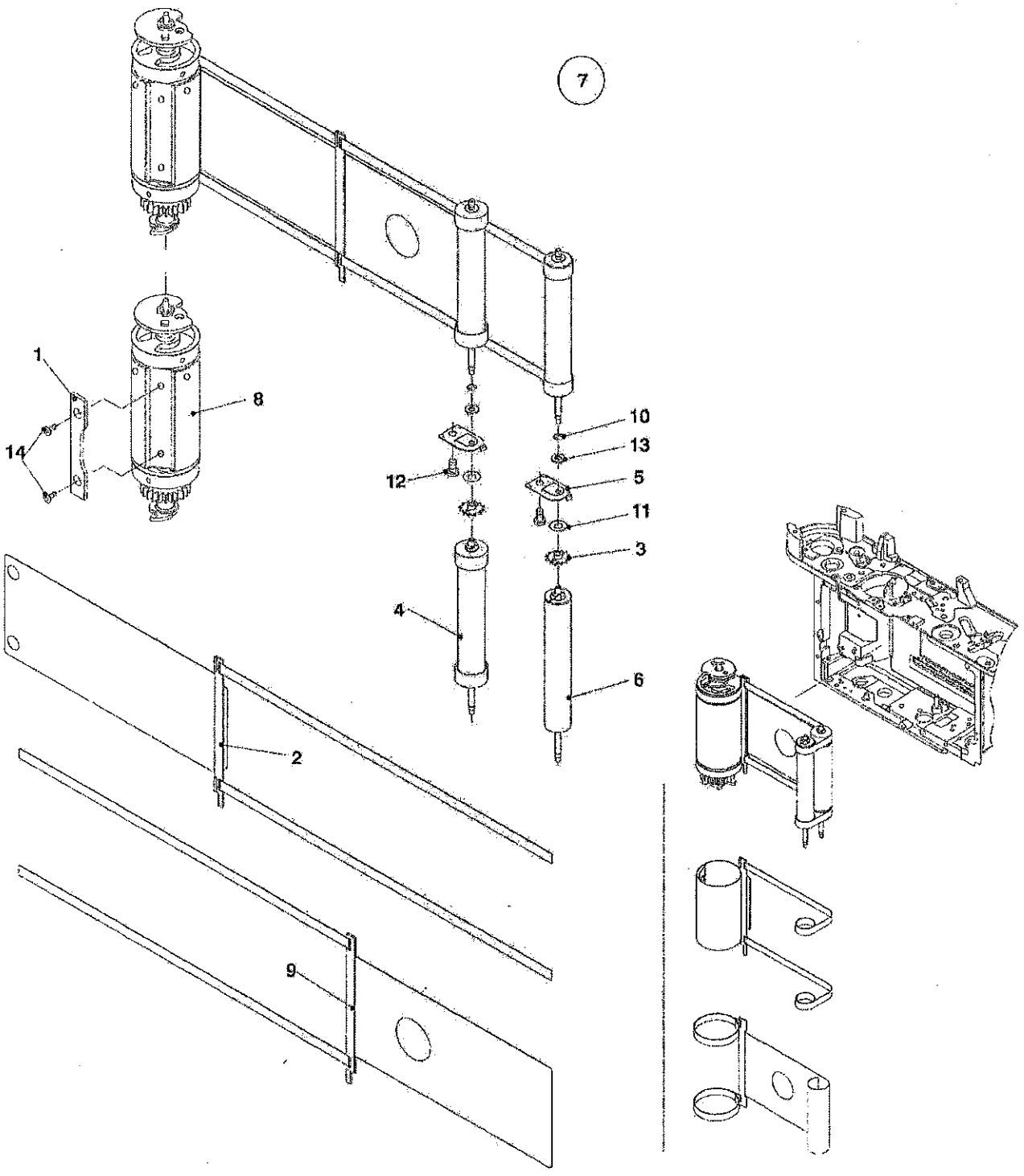
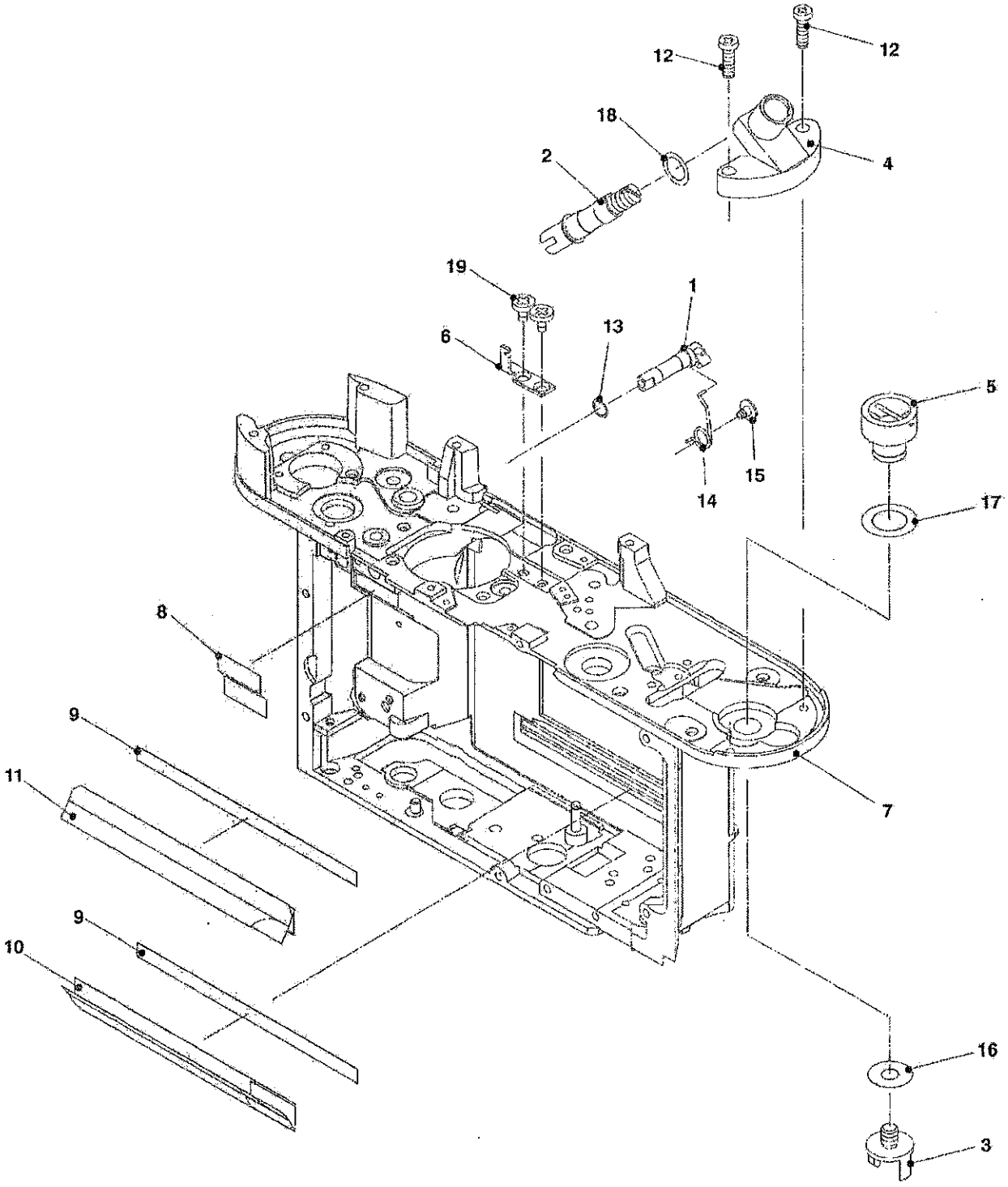
Pos.	Part No.	Description	Quant.	Comments
1	042-253.001-016	sprocket wheel	1	G cpl.
2	042-253.001-031	nut M2-LH	1	
3	042-253.001-078	clamping ledge	1	
4	042-253.001-684	locking lever	1	
5	042-582.001-024	pressure spring 0,3x3,5x18,7 DIN 2076	1	
6	042-840.330-036	washer 2,2x5,5x0,2	1	
7	420-070.500-021	pinion	1	
8	420-070.500-045	stop disk	1	
9	420-070.506-000	leaf spring, mount.	1	
10	420-070.506-010	adjusting screw	1	
11	420-070.517-000	stop disk, riveted	1	
12	420-070.518-000	winding axis	1	
13	420-070.525-000	axis	1	G
14	420-070.525-005	gear	1	
15	420-070.525-022	axis	1	
16	420-070.526-005	reverse lever	1	
17	420-070.529-000	catch lever, cpl	1	
18	438-261.220-030	shoulder screw M1,7x0,7x2,5	1	
19	442-270.101-071	intermediate piece 0,1	1	W
19	042-253.001-816	intermediate piece 0,2	1	W
20	442-299.001-088	cover plate	1	
21	704-780.220-000	c-clip DIN 6799-1,5	1	
22	705-552.220-000	washer 3,2x4,5x0,2	2	
23	705-917.233-000	countersunk screw M1,7x4,5	1	
24	706-013.163-000	washer 2,8x5x0,3	1	
25	706-020.220-000	nut M2	1	
26	707-938.233-000	screw M2x4 LN12015	1	
27	708-688.233-000	screw M1,7x4 LN12040	1	
28	708-703.233-000	screw M1,7x2 LN12010	1	
29	708-707.233-000	screw M1,7x4 LN12010	2	
30	708-711.220-000	screw M2x3 LN12010	2	

shutter



Pos.	Part No.	Description	Quant.	Comments
1	042-253.001-918	clamping ledge	1	
2	042-253.001-923	shutter curtain, long	1	G
3	042-730.010-059	pawl gear	2	
4	042-730.020-048	shutter roller	1	G
5	042-730.020-058	bearing spring	2	
6	042-730.020-064	shutter roller, small	1	G
7	420-070.581-000	shutter, cpl	1	
7	420-070.591-000	shutter cpl	1	new
8	420-070.582-000	shutter roller, large	1	G
8	420-070.585-000	shutter roller, large	1	new
8	420-070.598-000	shutter roller, large	1	G U 420-070.599-000
9	442-299.185-000	shutter curtain, short	1	G
10	704-779.220-000	c-clip DIN 6799-1,2	2	
11	705-792.220-000	washer 2,2x4,5x0,2	2	
12	707-931.233-000	screw M1,7x3 LN12015	2	
13	709-094.123-000	washer 1,8x3,5x0,4	2	
13	705-919.220-000	washer 1,8x3,5x0,2	2	
14	710-123.233-000	screw M1,4x3 LN12052	2	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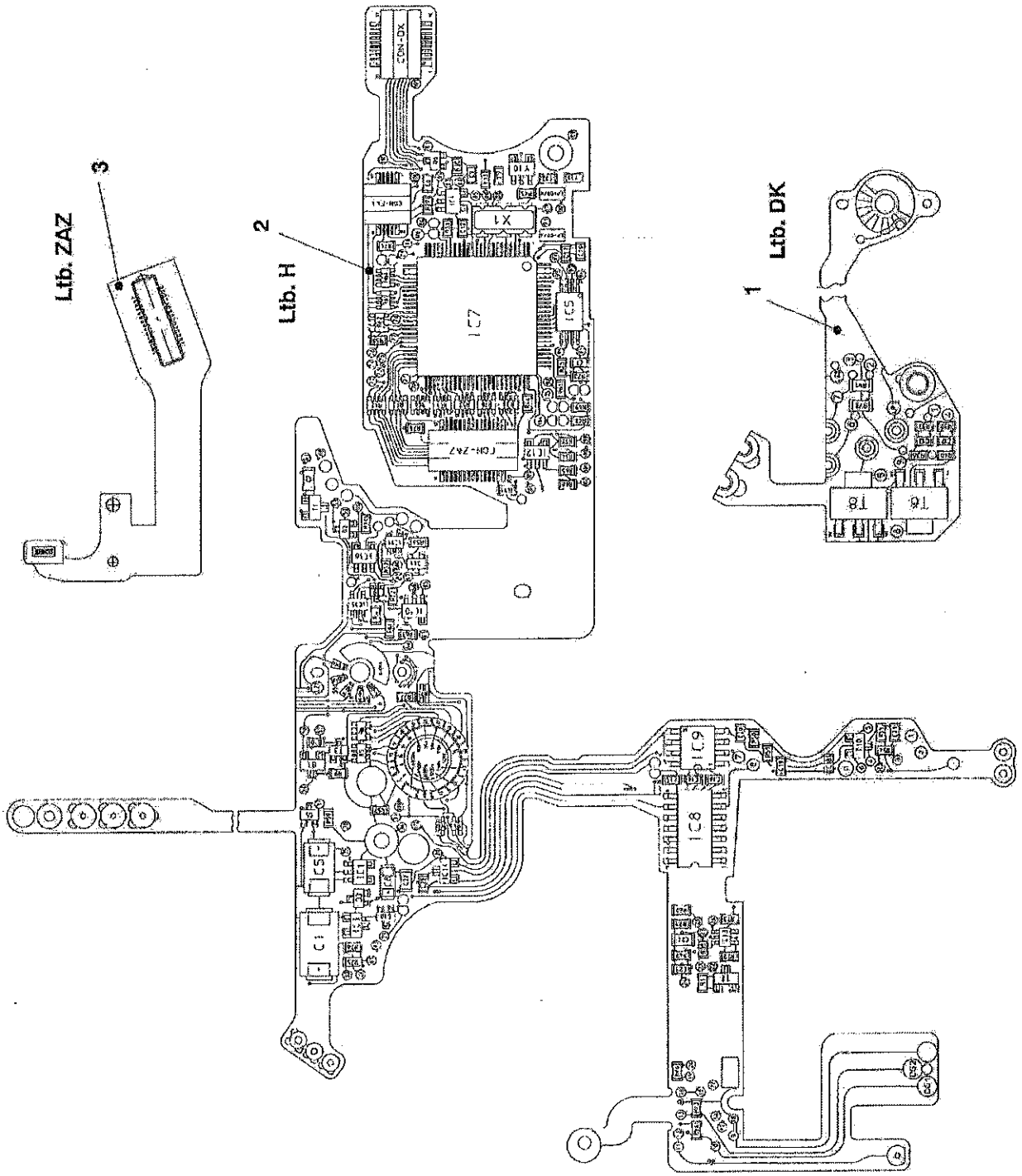
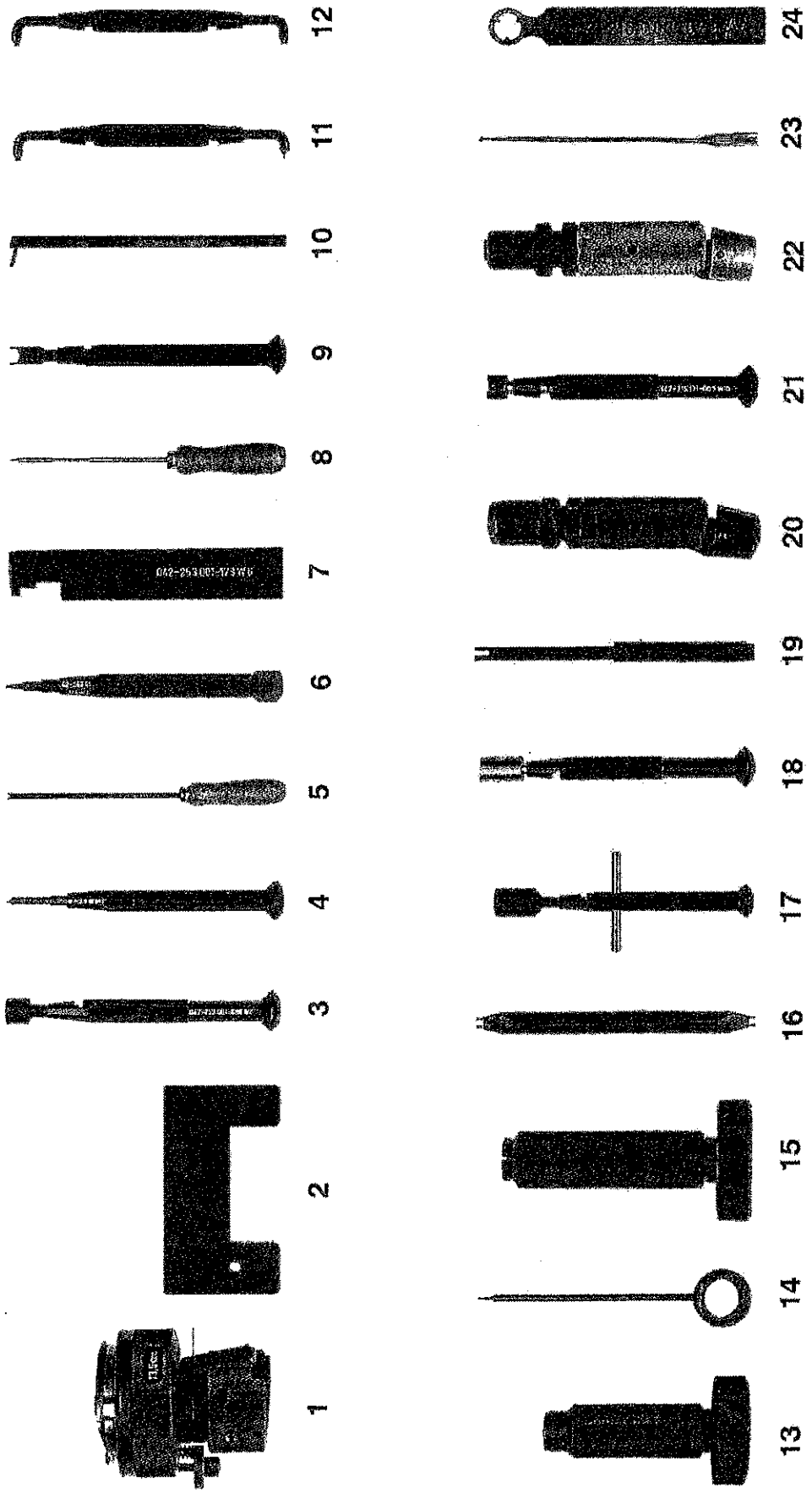
Pos.	Part No.	Description	Quant.	Comments
1	042-782.001-041	axis, with pin	1	
2	042-782.001-382	axis	1	
3	042-782.001-384	driver	1	
4	420-065.100-010	bearing support	1	
5	420-065.104-000	coupling piece	1	
6	420-070.500-008	stop	1	
7	420-070.511-000	main body, riveted	1	
8	420-070.511-011	insulation	1	
9	420-070.513-007	adhesive strip 55x6	2	
10	420-070.553-000	light stop, lower bonded	1	
11	420-070.554-000	light stop, upper bonded	1	
12	438-229.233-010	screw M2x6,5	2	LN 12015
13	442-299.102-004	washer 2,8x3,6x0,1	1	
14	442-299.102-006	torsion spring DIN 2076-0,48	1	
15	442-299.102-008	screw M1,4x1,2x1	1	
16	442-299.102-171	washer 3,1x8x0,03	1	
17	442-299.102-172	washer 6,2x10x0,03	1	
18	706-016.220-000	washer 4,6x6x0,1	1	
19	710-123.233-000	screw M1,4x3 LN12052	2	

electr. parts



Pos.	Part No.	Description	Quant.	Comments
1	420-065.054-000	flexible board DK, sold.	1	
2	420-070.200-000	flexible board H, cpl	1	
3	420-070.330-000	flexible board ZAZ	1	
4	418-323.385-157	capacitor 150 µF/10V 20%	1	C1 150F/10V
5	418-323.373-476	capacitor 47µF/10V	1	C5 47F/10V
6	418-323.281-106	capacitor 10µF/6,3V	1	C8 10F/6,3V
7	418-621.372-001	IC	1	IC1 LP2980IM5-3.3 switch on regulator
8	418-621.242-003	IC	1	IC3 XC62FP2702MR/2,7V voltage regulator
9	418-623.142-003	IC	1	IC4 RN5VD30CA Reset-module
10	418-734.687-001	IC	1	IC5 S29L221AFS EEPROM
11	418-689.262-001	IC	1	IC8 213.07A Log-amplifier
12	418-619.202-001	IC	1	IC9 213.04 current-amplifier
13	418-711.767-002	IC	1	IC10 NC7SZ86M5X EX-OR Gatter
14	418-711.267-002	IC	1	IC11 TC7S04FU Inverter
15	418-611.262-003	IC MAX4322EUK-T	1	IC12 MAX4322EUK-T OP-amplifier
16	418-711.060-001	IC	2	IC13,15 MAX4501EXK-T Analog-switch
17	418-623.142-003	IC	1	IC16 RN5VD30CA Reset-module



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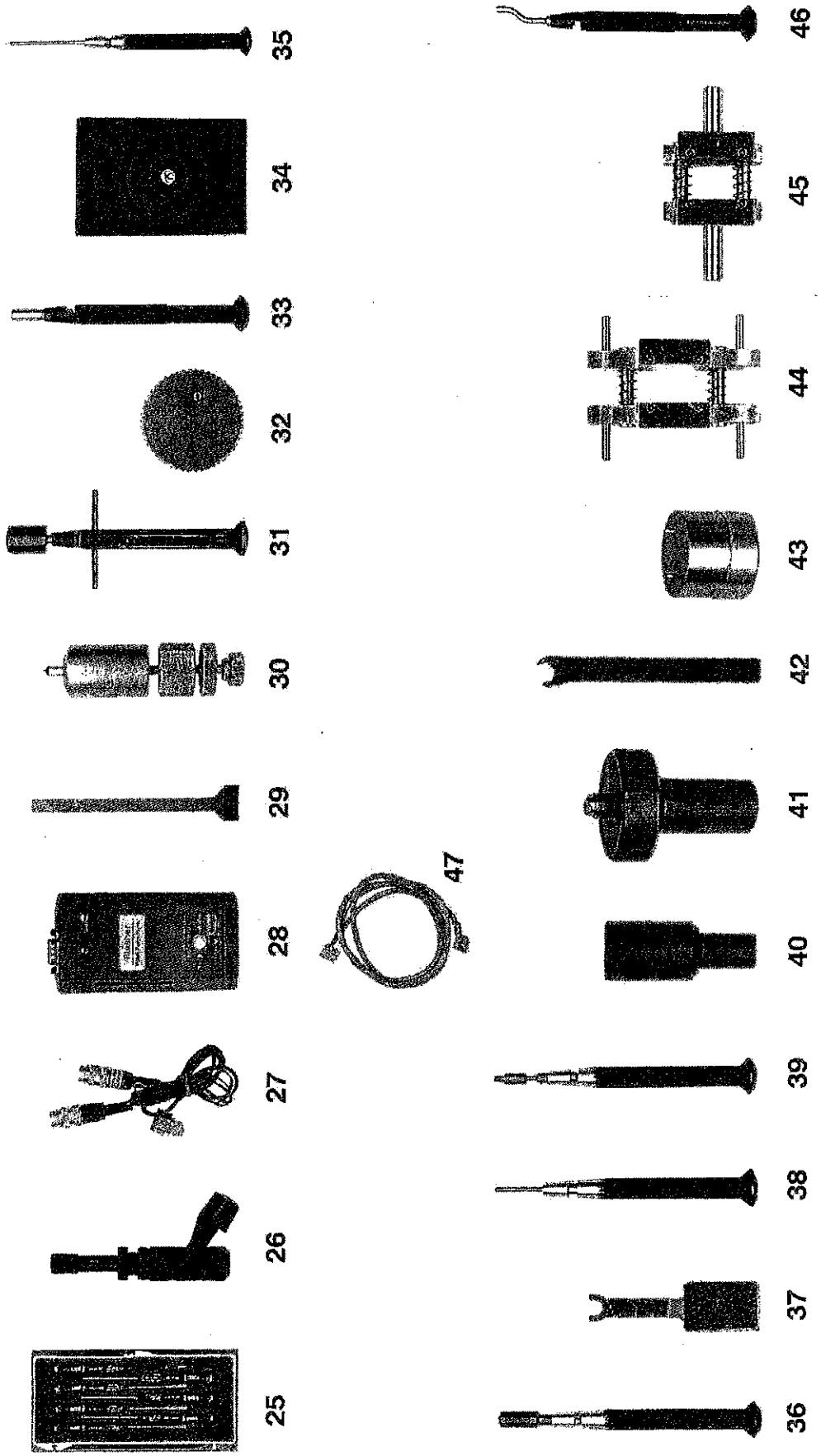
Pos.	Part No.	Description	Quant.	Comments
1	150-000.000-466	testing device	1	mask gauge
2	150-000.000-469	holder	1	range finder
3	150-000.000-485	key	1	rewind fork
4	150-000.000-486	key	1	
5	150-000.000-488	key	1	eccentric screw
6	150-000.000-489	key	1	
7	150-000.000-494	key	1	coil plate adj.
8	150-000.000-528	key	1	adjustment 1m
9	150-000.000-529	key	1	image field sel. lever
10	150-000.000-533	key	1	roller lever
11	150-000.000-534	key	1	collateral adj. range fin.
12	150-000.000-535	key	1	collateral adj. range fin.
13	150-000.000-537	collet	1	viewf. lens, count. mech.
14	150-000.000-592	key	1	measuring needle
15	150-000.000-778	collet	1	
16	150-000.000-784	key	1	shutter tension
17	150-000.000-824	key	1	coil plate adj.
18	150-000.000-825	key	1	nut-rewind
19	150-000.000-895	key	1	
20	150-000.000-918	eccentric, collet	1	
21	150-000.001-237	key	1	fork winder
22	150-000.001-270	collet	1	snap locking
23	150-000.001-279	key	1	adj. r-find., lens height
24	150-000.099-009	key	1	adj. r-find., lens diopter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Pos.	Part No.	Description	Quant.	Comments
25	150-000.099-100	inner hexagon-set	1	
26	150-000.099-125	key SW3	1	eyepiece
27	150-000.099-161	battery adapter	1	compensation
28	150-000.099-162	program. device flasher	1	with accessories
29	150-000.099-163	program. flex. board flashe	1	
30	150-000.099-212	gauge	1	shutter release pin
31	150-000.099-213	key	1	retaining ring
32	150-000.099-214	setting knob	1	
33	150-000.099-215	key	1	rear cover
34	150-000.099-216	mounting device	1	adj. wheel
35	150-000.099-217	key	1	
36	150-000.099-218	key	1	big shutter roller
37	150-000.099-219	key	1	assembly device
38	150-000.099-220	eccentric key	1	double stop
39	150-000.099-221	key	1	
40	150-000.099-222	special key	1	
41	150-000.099-224	double key	1	
42	150-000.099-225	key	1	
43	150-000.099-253	mounting device	1	spring-coun. mech.
44	150-100.000-026	mounting device	1	light stop main body
45	150-100.000-036	mounting device	1	light stop cover plate
46	150-100.000-099	key	1	adj. range finder, mask
47	150-000.099-273	connecting cable	1	f.150-000.099-162

Seite/page Pos. Nr./no	LEICA M1	LEICA M2	LEICA M3	LEICA M4	LEICA M4-2/M4-P	LEICA M5	LEICA CL	LEICA M6	LEICA M6 TTL	LEICA 0-Serie	LEICA M7	LEICA MP									
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6.1-2	X	X	X	X	X	X	X	X	X		X	X									
6.1-3	X	X	X	X	X		X	X	X												
6.1-4	X	X	X	X	X	X		X	X			X									
6.1-5			X																		
6.1-6	X	X	X	X	X	X		X	X			X									
6.1-7	X	X	X	X	X	X															
6.1-8	X	X	X	X	X																
6.1-9	X	X	X	X	X	X		X													
6.2-1	X	X	X	X	X	X		X													
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6.2-3	X	X	X	X	X																
6.2-4	X	X	X									X									
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6.2-8	X	X	X	X	X	X		X	X		X	X									
6.2-9	X	X	X	X	X	X		X	X		X	X									
6.2-10	X	X	X	X	X			X	X			X									
6.2-11			X																		
6.2-12	X	X	X																		
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6.4-3	X	X	X						X			X									
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6.4-6		X	X	X																	
6.4-7		X	X																		
6.4-8		X	X	X		X															

Seite/page Pos. Nr./no	LEICA M1	LEICA M2	LEICA M3	LEICA M4	LEICA M4-2/M4-P	LEICA M5	LEICA CL	LEICA M6	LEICA M6 TTL	LEICA 0-Serie	LEICA M7	LEICA MP
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6.4-11		X	X									
6.4-12			X									
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6.4-14								X				X
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6.5-10	X	X										
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6.5-13	X	X		X				X				
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6.6-11						X						
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6.6-16						X						

Seite/page Pos. Nr./no	LEICA M1	LEICA M2	LEICA M3	LEICA M4	LEICA M4-2/M4-P	LEICA M5	LEICA CL	LEICA M6	LEICA M6 TTL	LEICA 0-Serie	LEICA M7	LEICA MP	LEICA M8, 8.2	LEICA M9					Leicaflex		
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6.7-9					X			X	X		X	X									
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6.7-12											X	X									
6.7-13											X	X									
6.7-14											X										
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6.7-17											X										
6.7-18								X	X		X	X	X								
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6.8-7							X														
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6.8-16							X														
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6.8-20									X												
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6.8-22	X	X	X	X	X			X	X		X										

Seite/page Pos. Nr./no	LEICA M1	LEICA M2	LEICA M3	LEICA M4	LEICA M4-2/M4-P	LEICA M5	LEICA CL	LEICA M6	LEICA M6 TTL	LEICA 0-Serie	LEICA M7	LEICA MP	LEICA M8, 8.2	LEICA M9							
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6.9-2										X											
6.9-3										X											
6.9-4										X											
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6.9-15											X	X									
6.9-16											X	X									
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6.10-12													X	X							
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6.10-14													X	X							
6.10-15													X	X							
6.10-16													X	X							
6.10-17								X	X		X	X	X	X							
6.10-18											X										
6.10-19														X							

Seite/page Pos. Nr./no	LEICA M1	LEICA M2	LEICA M3	LEICA M4	LEICA M4-2/M4-P	LEICA M5	LEICA CL	LEICA M6	LEICA M6 TTL	LEICA 0-Serie	LEICA M7	LEICA MP	LEICA M8, 8.2	LEICA M9							
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6.11-2	X	X	X	X	X	X		X	X		X	X	X	X							
6.11-3	X	X	X	X	X	X		X	X		X	X	X	X							
6.11-4	X	X	X	X	X	X		X	X		X	X	X	X							
6.11-5	X	X	X	X	X	X		X	X		X	X	X	X							
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6.11-7	X	X	X	X	X	X		X	X		X	X	X	X							
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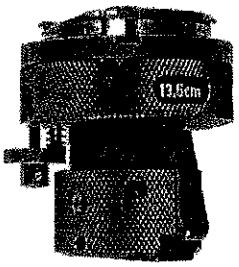

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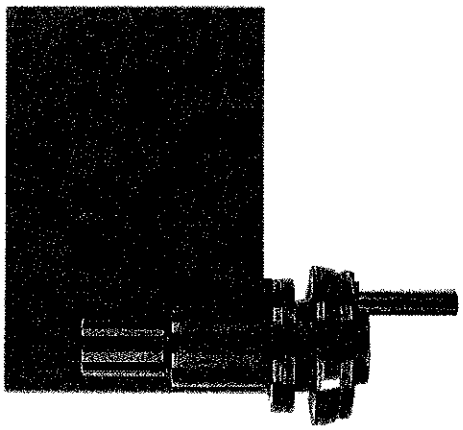

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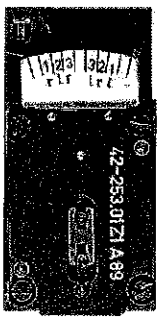

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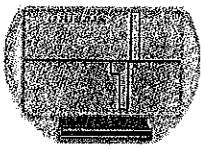

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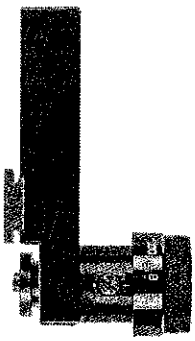

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Nr.	Artikel-Nr.	Stück	Artikel-Bezeichnung		Bemerkung
1	150-000.000-469	1	Halter holder	042-253.001-000 W111-4	Entfernungsmesser range finder
2	150-000.000-466	1	Prüfvorrichtung testing device	042-253.001-000 Z1 A10-7	Maskenlehre mask gauge
3	150-000.000-424	1	Lehre gauge	042-253.001-000 Z1 A22	Auslösegewicht release weight
4	150-000.000-434	1	Lehre gauge	042-253.001-000 Z1 A59	Prüfen der Friktion testing friction
5	150-000.000-452	1	Lehre gauge	042-253.001-000 Z1 A89	Justierung f. Filmtransportwalze adjustment for film transport roller
6	150-000.000-453	1	Lehre gauge	042-253.001-000 Z1 A92	Klebelehre für 2.Rollo M1-6 adhesive gauge for 2nd curtain
7	150-000.000-455	1	Strichplatte graticule	042-253.001-000 Z1 A96	M-Kontakt M1 bis 5 M-contact M1 to 5
8	150-000.000-425	1	Prüflehre test gauge	042-253.001-000 Z1 L37	Lehre für Zeiteinstellknopf gauge for speed setting knob
9	150-000.000-479	1	Schlüssel key	042-253.001-021 W4	Lager für Filmtransportwalze bearing for film transport roller

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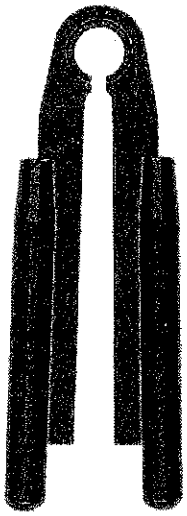

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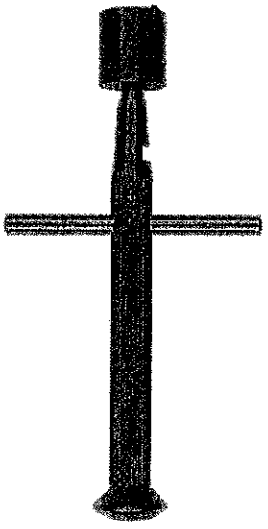

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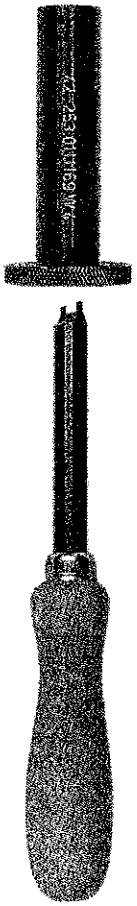

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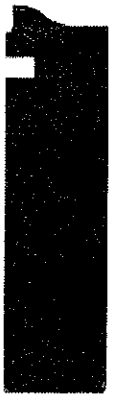

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Nr.	Artikel-Nr.	Stück	Artikel-Bezeichnung		Bemerkung
1	150-000.000-480	1	Schlüssel key	042-253.001-027 W4	Lager für Filmtransportwalze bearing for film transport roller
2	150-000.000-482	1	Zange clamp	042-253.001-036 W4	Auslöseteller M1-6 release plate M1-6
3	150-000.000-483	1	Schlüssel key	042-253.001-076 W2	Justierung Synchronisation adjusting synchronisation
4	150-000.000-484	1	Schlüssel key	042-253.001-079 W4	Rückwicklung M1 bis 3 rewind M1 to 3
5	150-000.000-485	1	Schlüssel key	042-253.001-080 W8	Rückwickelgabel M1-4 und 6 rewind fork M1-4 and 6
6	150-000.000-486	1	Schlüssel key	042-253.001-112 W1	Mutter für Doppelanschlag double catch nut
7	150-000.000-487	1	Schlüssel key	042-253.001-114 W1	Justierung der Meßhöhe measuring height adjustment
8	150-000.000-488	1	Schlüssel key	042-253.001-115 W2	Exzenterschraube ∞ bis 70cm eccentric screw ∞ to 70cm
9	150-000.000-489	1	Schlüssel key	042-253.001-124	Justierung Auslösung release adjustment
10	150-000.000-491	1	Schlüssel key	042-253.001-157 W2	Ring unter Aufzugshebel M1-4 u.6 ring below winding lever M1-4+6
11	150-000.000-492	1	Schlüssel key	042-253.001-169 W4	Friktion M3 friction M3
12	150-000.000-493	1	Schlüssel key	042-253.001-173 W4	Justierung Spulenteller M1-3 coil plate adjusting M1-3

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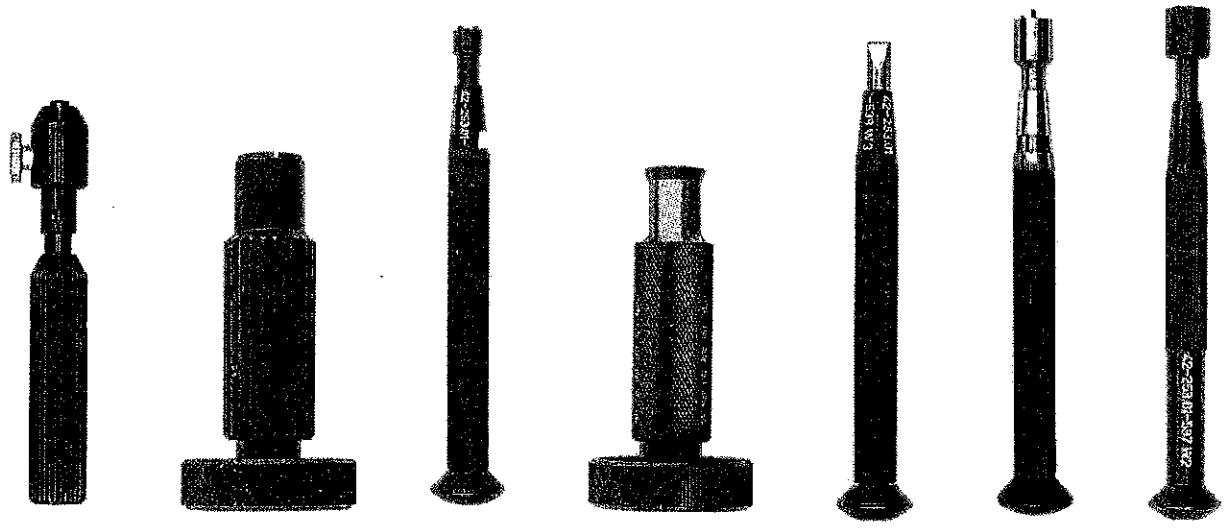
Nr.	Artikel-Nr.	Stück	Artikel-Bezeichnung		Bemerkung
1	150-000.000-494	1	Schlüssel key	042-253.001-173 W6	Justierung Spulenteller M1 bis 6 coil plate adjusting M1 to 6
2	150-000.000-495	1	Schlüssel key	042-253.001-174 W2	Justierung Spulenteller M1 bis 3 coil plate adjusting M1 to 3
3	150-000.000-497	1	Schlüssel key	042-253.001-182 W1	Friktion M3 alt friction M3 old
4	150-000.000-499	1	Schlüssel key	042-253.001-257 UW3	Lager für kleine Federwalzen bearing for small spring rollers
5	150-000.000-500	1	Schlüssel key	042-253-001-281 UW3	Justierung Belichtungszeiten exposure time adjustment
6	150-000.000-501	1	Schlüssel key	042-253.001-320 W2	Schraube unt. Zeiteinstellk. M1-3 screw bel. speed set.knob M1-3
7	150-000.000-502	1	Schlüssel key	042-253.001-328 UW2	Justierung Hemmwerk braking mechanism adjustment
8	150-000.000-503	1	Schlüssel key	042-253.001-338 W2	Kontermutter für Blattfeder nut for leaf spring
9	150-000.000-505	1	Schlüssel key	042-253.001-443 W5	Biegeschlüssel für Blitzkontakte bending key for flash contacts



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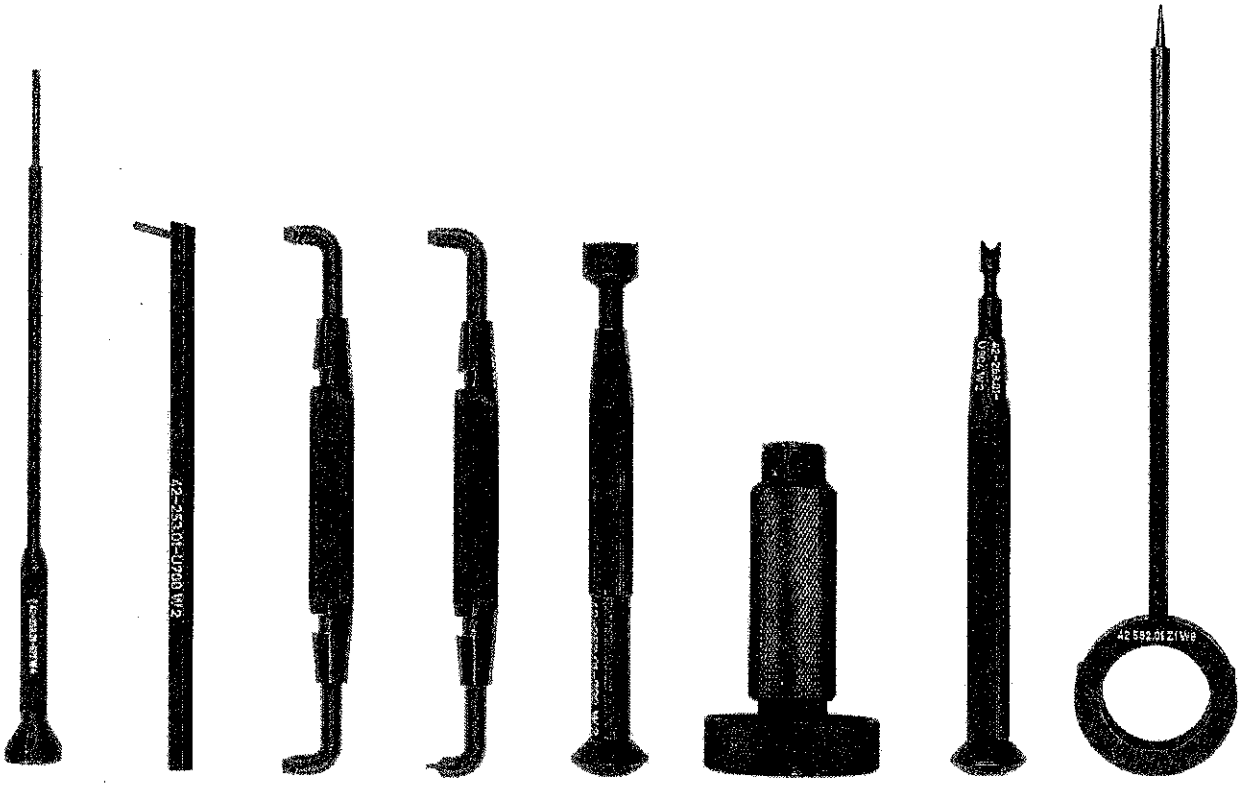
8 9 10 11 12 13 14

Nr.	Artikel-Nr.	Stück	Artikel-Bezeichnung		Bemerkung
1	150-000.000-507	1	Spannzange collet	042-253.001-483 W8	Steckerbuchse plug bushing
2	150-000.000-508	1	Spannzange collet	042-253.001-486 W1	Ring um Blitzbuchse ring surrounding flash bushing
3	150-000.000-511	1	Schlüssel key	042-253.001-494 W4	Schraube v. Rückwicklung M1-3+6 screw for rewind M1 to 3
4	150-000.000-512	1	Spannzange collet	042-253.001-498 W2	Ring unter Rückwicklung M1 bis 3 ring below rewind M1 to 3
5	150-000.000-519	1	Schlüssel key	042-253.001-538 W3	Lager für Rastschloß bearing for snap-in-locking
6	150-000.000-525	1	Schlüssel key	042-253.001-596 W2	Hebel f. Ring - Vorlaufwerk lever f. ring - delay mechanism
7	150-000.000-526	1	Schlüssel key	042-253.001-597 W2	Schraube f. Vorlaufwerk M2 und 3 screw for delay mechanism M2+3
8	150-000.000-527	1	Schlüssel key	042-253.001-598 W2	Auslöseknopf von Vorlaufwerk release knob from delay mech.
9	150-000.000-528	1	Schlüssel key	042-253.001-630 W6	Justierung 1m adjustment 1m
10	150-000.000-529	1	Schlüssel key	042-253.001-635 W2	Lager von Bildfeldwahlhebel bearing of image field selector lever
11	150-000.000-530	1	Schlüssel key	042-253.001-637 W5	Schraube f. Bildfeldwahlhebel M screw f image field selector lever
12	150-000.000-531	1	Schlüssel key	042-253.001-648 W7	Maskenjustierung M3 alt mask adjustment M3 old
13	150-100.000-039	1	Schlüssel key	420-098.001-014 W1	Schrauben u. Vorlaufwerk M3, MP screw a. delay mechanism M3, MP
14	150-100.000-004	1	Bestromungsgewicht power on weight	420-097.001-000 W1	MP MP



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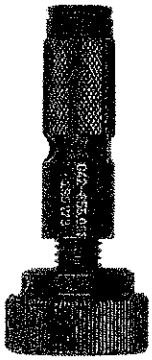
Nr.	Artikel-Nr.	Stück	Artikel-Bezeichnung		Bemerkung
1	150-000.000-532	1	Schlüssel key	042-253.001-671 W4	Justierung der Meßhöhe measuring height adjustment
2	150-000.000-533	1	Schlüssel key	042-253.001-700 U W2	Biegeschlüssel für Rollenhebel bending key for roller lever
3	150-000.000-534	1	Schlüssel key	042-253.001-703 W2	Seitenjustierung E-Messer collateral adjustment E-measure
4	150-000.000-535	1	Schlüssel key	042-253.001-703 W4	Seitenjustierung E-Messer collateral adjustment E-measure
5	150-000.000-536	1	Lehre gauge	042-253.001-722 W2	Augenlinse M3 alt eye lens M3 old
6	150-000.000-537	1	Spannzange clamp	042-253.001-787 W3	Sucherlinse, Zählwerk viewfinder lens, counting mech.
7	150-000.000-539	1	Schlüssel key	042-253.001-804 UW2	Abdeckkappe der Rahmenblende frame diaphragm cover
8	150-000.000-592	1	Schlüssel key	042-582.001-000 W8	Meßnadel 70cm, E-Messer measuring needle 70cm
9	150-000.000-602	1	Zange clamp	042-582.001-019 W5	Umschaltung M2 alt change over M2 old
10	150-000.000-603	1	Spannzange collet	042-582.001-027 W1	Schraube auf M2 Deckkappe screw on M2 cover
11	150-000.001-604	1	Schlüssel key	042-582.001-033 W3	Lager-unten, große Rollowalze below bearing, shutter roller big
12	150-000.001-605	1	Schlüssel key	042-582.001-273 W3	Bremse brake
13	150-000.000-607	1	Lehre gauge	042-582.003-000 W1	Arbeitsaugenlinse M1,2,4,6 working eye lens M1,2,4,6
14	150-000.000-609	1	Schlüssel key	042-582.003-000 Z1 W6	Justierung der Meßhöhe adustment of the measured height
15	150-000.000-610	1	Schlüssel key	042-582.003-018 W3	Rollo-Spannung shutter - tension



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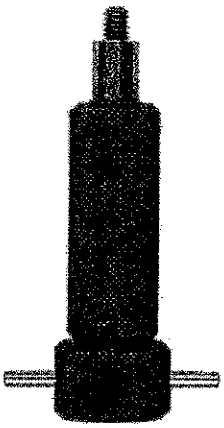

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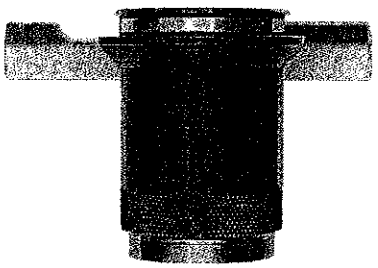

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Nr.	Artikel-Nr.	Stück	Artikel-Bezeichnung		Bemerkung
1	150-000.000-680	1	Spannzange collet	042-655.001-295 W3	Batteriefach M5 battery compartment M5
2	150-000.000-770	1	Lehre gauge	042-730.001-000 A29	Auslöselehre M5 release gauge M5
3	150-000.000-768	1	Lehre gauge	042-730.001-000 W 19	Belichtungsmessung exposure measuring
4	150-000.000-777	1	Schlüssel key	042-730.002-030 W3	Lager Bildfeldwahlhebel M5 bearing image field selector lever
5	150-000.000-779	1	Lehre gauge	042-730.004-000 W1	Arbeitsaugenlinse M5 working eye lens M5
6	150-000.000-780	1	Schlüssel key	042-730.008-013 W8	Bodendeckel M5 base plate M5
7	150-000.000-781	1	Schlüssel key	042-730.008-014 W4	Bodendeckel M5 base plate M5
8	150-000.000-782	1	Schlüssel key	042-730.008-049 UW2	Bodendeckel M5 base plate M5
9	150-000.000-783	1	Schlüssel key	042-730.008-058 W 12	Bodendeckel M5 base plate M5
10	150-000.000-784	1	Schlüssel key	042-730.010-059 W4	Rollospannschlüssel M5 / M6 curtain tension key M5 / M6
11	150-000.000-785	1	Lehre gauge	042-730.011-013 W3	Synchronisation M5 alt synchronization M5 old
12	150-000.000-786	1	Lehre gauge	042-730.011-013 W4	Synchronisation M5 alt synchronization M5 old
13	150-000.000-787	1	Schlüssel key	042-730.012-000 W2	Bremse M5 brake M5
14	150-000.000-788	1	Schlüssel key	042-730.012-028 W4	Bremse M5 brake M5
15	150-000.000-789	1	Prüflehre test gauge	042-730.013-000 A2	Lehre für Fotowiderstand M5 gauge for photo resistance M5
16	150-000.000-791	1	Prüfvorrichtung testing device	042-730.101-000 W7	Montagelehre für M5 Getriebe assembly gauge for M5 gearing

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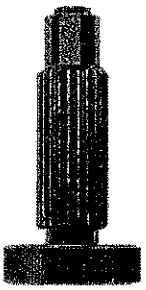

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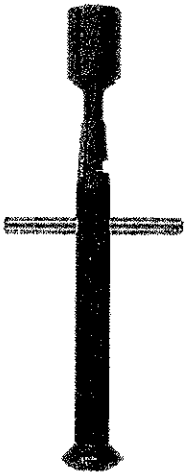

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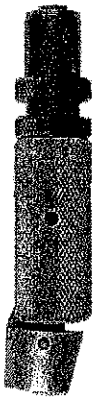

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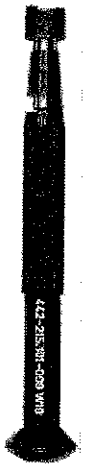

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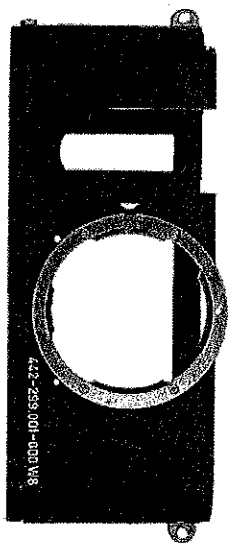

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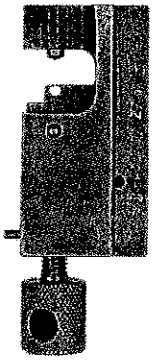

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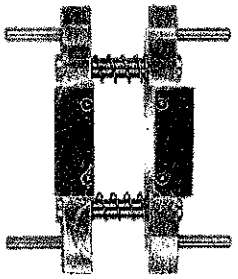

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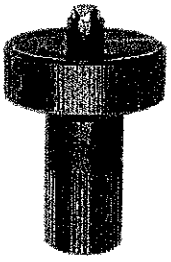

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Nr.	Artikel-Nr.	Stück	Artikel-Bezeichnung		Bemerkung
1	150-000.000-793	1	Schlüssel key	042-730.101-092 W2	Ring unter Aufzugshebel M5 ring below winding lever M5
2	150-000.000-794	1	Spannzange collet	042-730.101-095 UW3	Blitzbuchse M5/Schraube BfW flash bushing M5
3	150-000.000-824	1	Schlüssel key	042-782.001-162 W1	Justierung Spulenteller M4 bis 6 coil plate adjustment M4 to 6
4	150-000.000-825	1	Schlüssel key	042-782.001-383 W5	Mutter unter Rückwicklung M1-4 nut below rewind M1 to 4
5	150-000.000-826	1	Schlüssel key	042-782.002-022 W1	Schraube f. Bildfeldwahlhebel M4 screw for image field selector lever
6	150-000.001-270	1	Spannzange collet	442-215.002-064 W1	Schraube für Rastschloß M5/M6 screw for snap in locking
7	150-000.001-279	1	Schlüssel key	442-215.003-066 W2	Justieren E-Messer, Obj.-Höhe range-finder adjust., lens height
8	150-000.099-009	1	Schlüssel key	442-215.003-078 W4	Justieren E-Messer, Obj.-Dioptr. range-finder adjust., lens diopter
9	150-000.001-237	1	Schlüssel key	442-215.101-000 W10	Mitnehmer Winder winder
10	150-000.001-240	1	Arbeitsgehäuse workhousing	442-299.001-000 W8	M6
11	150-000.099-069	1	Vorrichtung device		Trageösen vernieten (M + Leicaflex) Riveting strap loops (M + Leicaflex)
12	150-100.000-026	1	Montagevorrichtung assembly device	420-070.513-000 W1	Lichtdichtung M7 light stop M7
13	150-100.000-036	1	Montagevorrichtung assembly device	420-070.560-000 W4	Lichtdichtung M7 light stop M7
14	150-000.099-218	1	Schlüssel key	420-070.500-000 W11	gr. Rollowalze M7 big shutter roller M7
15	150-000.099-219	1	Montagehilfe mounting help	420-070.500-000 W14	Drehdruckfeder M7 rotating pressure spring M7
16	150-000.099-222	1	Spezialschlüssel special key	420-070.520-000 W2	Rastscheibe M7 arresting disc M7
17	150-000.099-224	1	Doppelschlüssel double key	420-070.575-000 W2	Aufzugs-Mutter LH M7 winding mech.-nut LH M7
18	150-000.099-253	1	Montagehilfe assembly device	420-065.175-000 W3	Zählwerk Feder M6TTL, M7, MP counting mech. spring M6TTL, M7, MP

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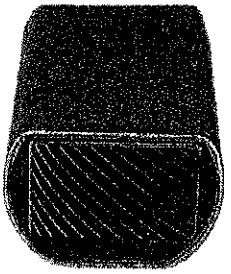

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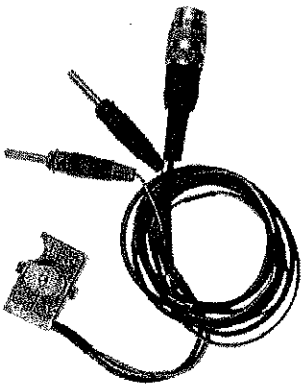

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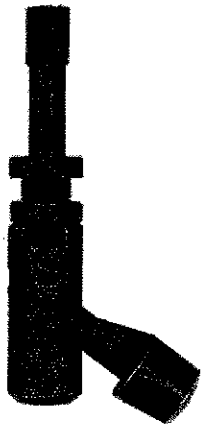

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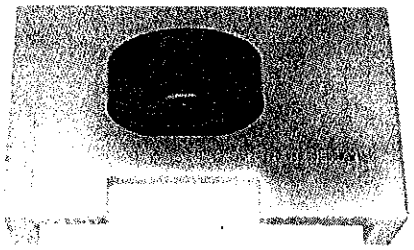
Nr.	Artikel-Nr.	Stück	Artikel-Bezeichnung		Bemerkung
1	150-000.000-834	1	Prüfschieber test slider	042-792.001-000 A3	Blitzausleuchtung CL flash illumination CL
2	150-000.000-837	1	Prüfplatte test plate	042-792.001-000 W13	Belichtungszeiten exposure times CL
3	150-000.000-839	1	Prüfplatte test plate	042-792.001-000 W16	Lehre für Trommelbild CL gauge for drum image CL
4	150-000.000-841	1	Lehre gauge	042-792.002-000 W12	Arbeitsaugenlinse CL working eye lens CL
5	150-000.001-128	1	Lehre gauge	400-071.052-601 A1	Entfernungsmesser range finder
6	150-000.001-129	1	Schlüssel key	400-071.200-601 W1	Zeiteinstellknopf CL speed setting knob CL
7	150-000.001-131	1	Schlüssel key	400-071.204-203 W1	Auslöseteller CL release plate CL
8	150-000.001-132	1	Lehre gauge	400-071.204-303 A1	Auslöselehre CL release gauge CL
9	150-000.001-133	1	Schlüssel SW 6 key	400-071.301-201 W1	Mutter für Zwischenrad CL nut for intermediate gear CL
10	150-000.001-134	1	Schlüssel key	400-071.302-301 W1	Aufzugsknopf CL winding knob CL
11	150-000.001-135	1	Schlüssel key	400-071.302-702 W1	Schraube für Aufzugshebel CL screw for winding lever CL
12	150-000.001-136	1	Schlüssel key	400-071.304-000 W1	Lager Filmspulenachse CL bearing for film coil axle
13	150-000.001-137	1	Schlüssel key	400-071.304-501 W1	Lager für Filmtransportwalze CL bearing for film transport roller
14	150-000.001-139	1	Schlüssel key	400-071.305-801 W1	Friktion CL friction CL
15	150-000.001-140	1	Schlüssel key	400-071.330-503 W1	Rückspulachse CL rewind axle CL
16	150-000.001-141	1	Lehre gauge	400-071.439-101 W1	Lehre für Meßwerk CL gauge for measuring device CL
17	150-000.001-144	1	Schlüssel SW 4 key	400-071.930-201 W1	Deckkappe cover plate
18	150-000.001-147	1	Lehre gauge	400-071.931-601 W1	Rollenhebel CL roller lever CL
19	150-000.099-124	1	Batterie Adapter Battery adapter	420-065.001-000 W2	M6 TTL M6 TTL
20	150-000.099-107	1	schlüssel key	420-065.100-000 W3	lange Verschlußzeiten M6 TTL long shutter time M6 TTL
21	150-000.099-125	1	Schlüssel key	442-229.055-000 W2	M6 Okular M6 Okular
22	150-000.099-223	1	Schlüssel SW 3 key	420-070.528-000 W2	Bremse CL, M7 brake CL, M7



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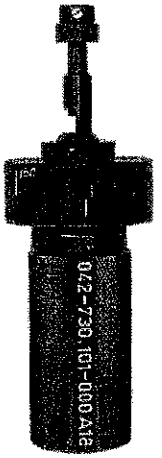

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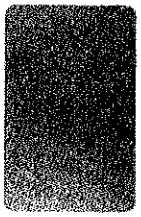

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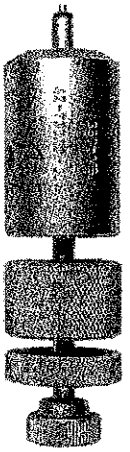

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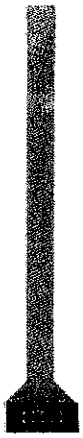

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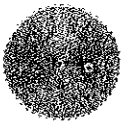

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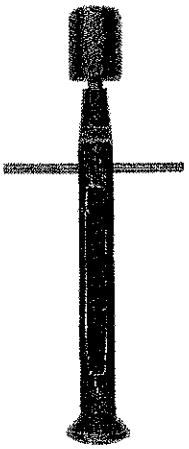

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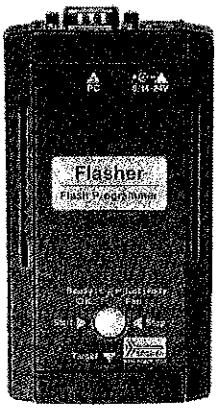

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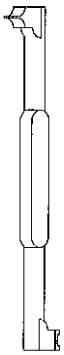
Nr.	Artikel-Nr.	Stück	Artikel-Bezeichnung		Bemerkung
1	150-000.099-173	1	Aufnahme mount	420-088.001-000 W1	für 1 Kanal 0-Serie for 1 channel
2	150-000.099-182	1	Einsatz insert	420-088.010-000 W2	Friktionsprüfgerät 0-S. frictionstester
3	150-000.099-186	1	Punktbohrer drill	420-088.020-000 W6	0-Serie
4	150-000.099-176	1	Friktionsmessgerät friction measuring device	420-088.109-005 W200	0-Serie
5	150-000.099-178	1	Montagestift mounting pin	420-088.020-000 W8	Deckplatte 0-S. cover plate
6	150-000.099-179	1	Schlüssel key	420-088.020-016 W2	Auslöseachse release spindle
7	150-000.099-180	1	Schlüssel key	420-088.020-017 W1	Auslöseknopf release button
8	150-000.099-181	1	Schlüssel key	420-088.020-020 W1	Auslöseachse release spindle
9	150-000.099-183	1	Reflektor reflector	420-088.001-000 W1-04	Zeitenjustage timer adjusting
10	150-000.099-184	1	Schlüssel key	420-088.023-020 W1	
11	150-000.099-185	1	Bohrvorrichtung drilling device	420-088.020-000 W5	
12	150-000.099-193	1	Schlüssel key	420-088.109-005 W200	Objektivring lens ring
13	150-000.099-212	1	Auslösegewicht release weight	042-730.101-000 A16	M7
14	150-000.099-161	1	Batterieadapter battery adapter	420-070.001-000 W2	M7 Agleich M7 compensation
15	150-000.099-163	1	Programmierleiterband progr. flexible board	420-070.003-000 W2	M7 Flasher M7 flasher
16	150-000.099-214	1	Arbeitseinstellknopf adjusting knob	420-070.003-000 W7	M7 Zeiten Einstellung M7 speed-setting
17	150-000.099-215	1	Schlüssel key	420-070.400-000 W2	M7 Rückwand M7 rear cover
18	150-000.099-213	1	Schlüssel key	420-070.001-000 W5	M7 Vorschraubring M7 retaining ring
19	150-000.099-162	1	Programmiergerät progr. device	420-070.001-000 W1	M7 Flasher, mit Zubehör M7 flasher, with accessories
20	150-000.099-260	1	Schlüssel key	442-215.002-060 W1	M7, M8, M8.2 M7, M8, M8.2



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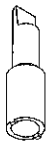

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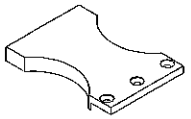

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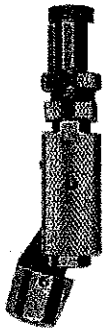

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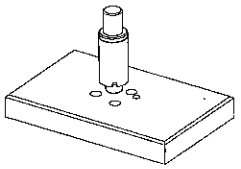

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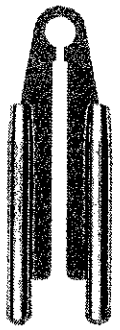

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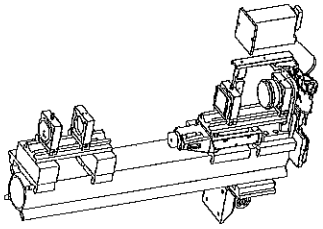

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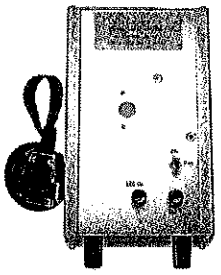

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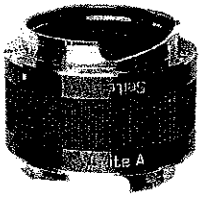

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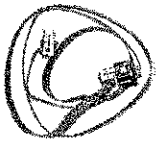

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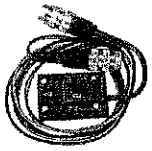

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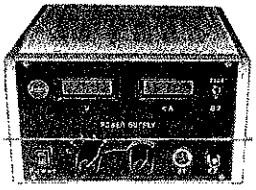

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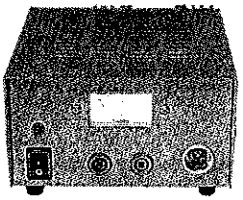

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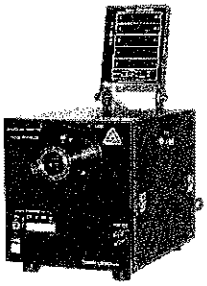

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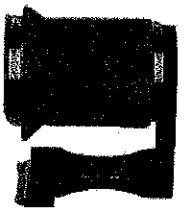

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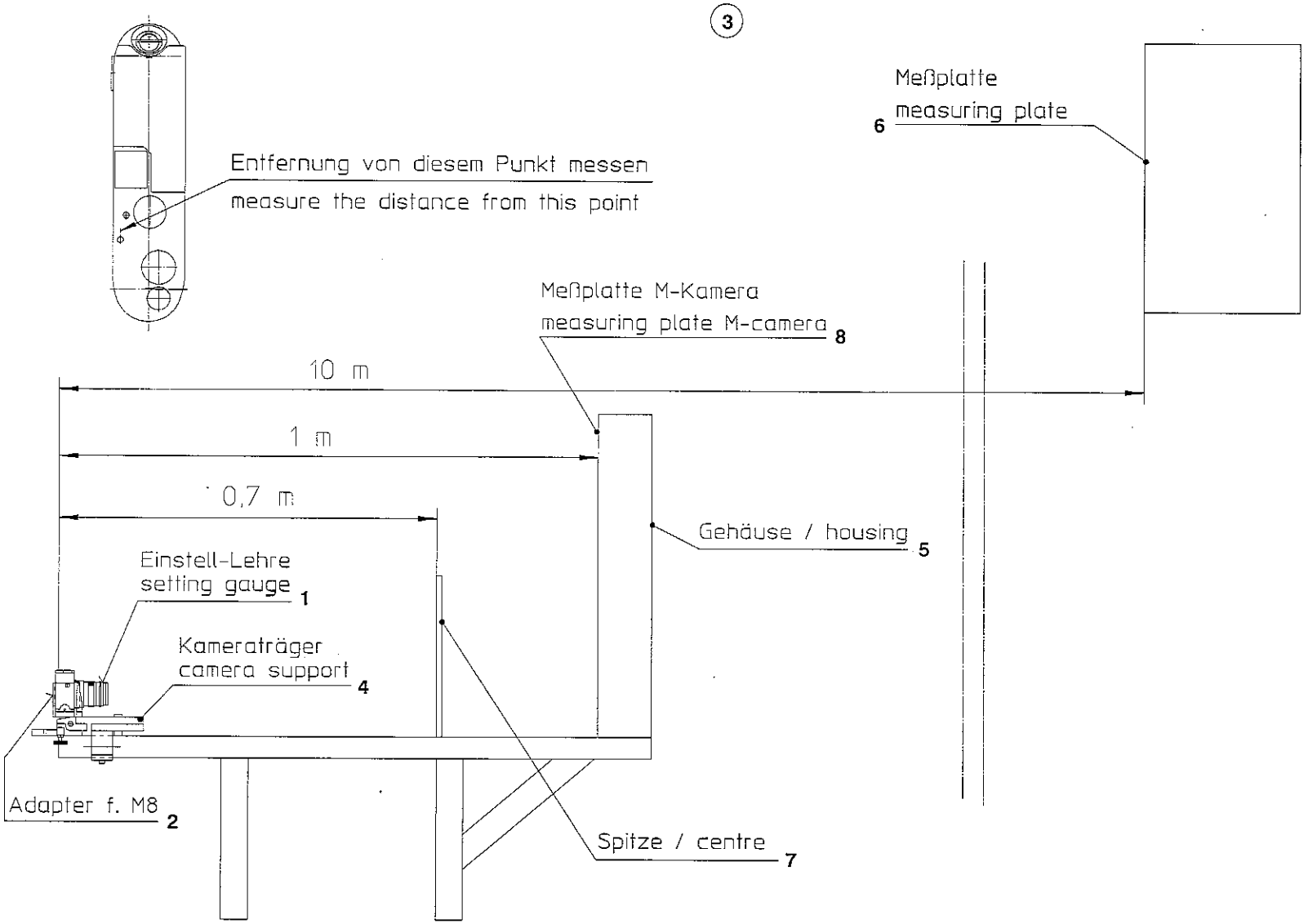
Nr.	Artikel-Nr.	Stück	Artikel-Bezeichnung		Bemerkung
1	150-100.000-093	1	Winkelschlüssel angular key	420-200.320-000 W6	M8,9 E-Messer-Rollenhebel M8,9 range finder-roller lever
2	150-100.000-094	1	Schlüssel key	420-200.340-025 W1	M8,9 Maskenwahlhebel M8,9 mask selector
3	150-100.000-095	1	Ausrichtlehre gauge	420-200.320-000 W7	M8,9 E-Messer M8,9 range finder
4	150-200.000-002	1	Schlüssel key	420-200.001-000 W5	M8,9 Maskenwahlhebel M8,9 mask selector
5	150-200.000-003	1	Montagehilfe mounting device	420-200.200-000 W11	M8 Auflage M8 support
6	150-200.000-004	1	Schlüssel key	420-200.200-000 W9	M8,9 Auslöseknopf M8,9 release button
7	150-200.000-005	1	Schlüssel key	420-200.400-000 W3	M8,9 Getriebe M8,9 gearing
8	150-300.001-620	1	Justagegerät adjusting device	420-200.300-000 W1	CCD CCD
9	150-522.000-000	1	Deckkappen-Dummy cover plate-Dummy	420-200.320-000 W1	MD MD
10	150-522.000-018	1	Halter m. Ltb DDM holder w. Ltb DDM		
11	150-522.029-000	1	Prüfgerät testing device	420-200.320-000 W2	M8,9 Obj.erkennung-Kamera M8,9 lens sign-camera
12	150-522.030-000	1	Programmier-Ltb. programing flex. b.	420-200.320-000 W3	M8,9 M8,9
13	150-522.031-000	1	Batterieadapter battery adapter	420-200.320-000 W4	M8,9 M8,9
14	150-522.032-000	1	Netzteil variabel power supply variable	420-200.320-000 W5	M8,9 M8,9
15	150-522.037-000	1	Netzteil einfach power supply single		M8,9 M8,9
16	150-522.041-000	1	Prüfgerät testing device		M8,9 Verschluß M8,9 shutter
17	150-000.000-451	1	Einstellvorrichtung setting device	042-253.001-000 W85	M6-M8,9 E-Messer M6-M8,9 range finder
18	150-000.099-273	1	Verbindungskabel setting device	420-070.003-000 W3	M7 (für 150-000.099-162) M7 (for 150-000.099-162)
19	150-100.000-101	1	Winkelschlüssel angular key	420-200.320-000 W8	M,9 E-Messer, Rollenhebel M9 range finder, roller lever

Aufbau der Justiereinrichtung für. M-Kameras E-Messer

Arrangement of the adjustment equipment for the M-cameras rangefinder



Nr.	Artikel-Nr.	Stück	Artikel-Bezeichnung		Bemerkung
1	150-000.000-593	1	Einstell-Lehre setting gauge	042-582.001 Z1A10	M, E-Messer M, range finder
2	150-000.000-419	1	Adapter f. M8 adapter f. M8		M8, E-Messer M8, range finder
3	150-000.000-420	1	Justiereinrichtung adjustment equipment		M, E-Messer M, range finder
4	150-000.000-421	1	Kameraträger camera support		M, E-Messer M, range finder
5	150-000.000-436	1	Gehäuse housing	042-253.001-000 W63	M, E-Messer M, range finder
6	150-000.001-020	1	Meßplatte measuring plate	103-025.016-000	M, E-Messer M, range finder
7	150-000.000-592	1	Spitze centr	103-033.018-000	M, E-Messer M, range finder
8	150-200.000-011	1	Meßplatte measuring plate	042-253.001-000 W88	M, E-Messer M, range finder